

**FIG. 1**

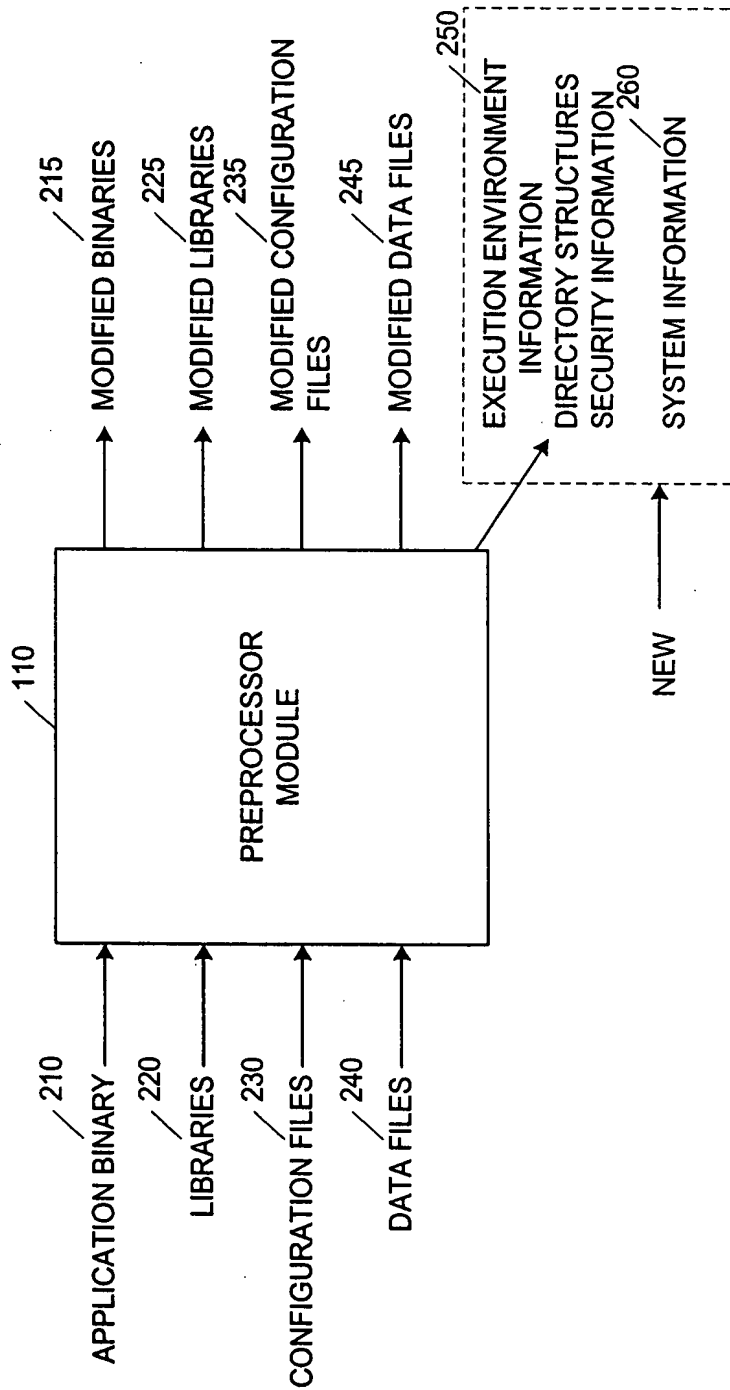
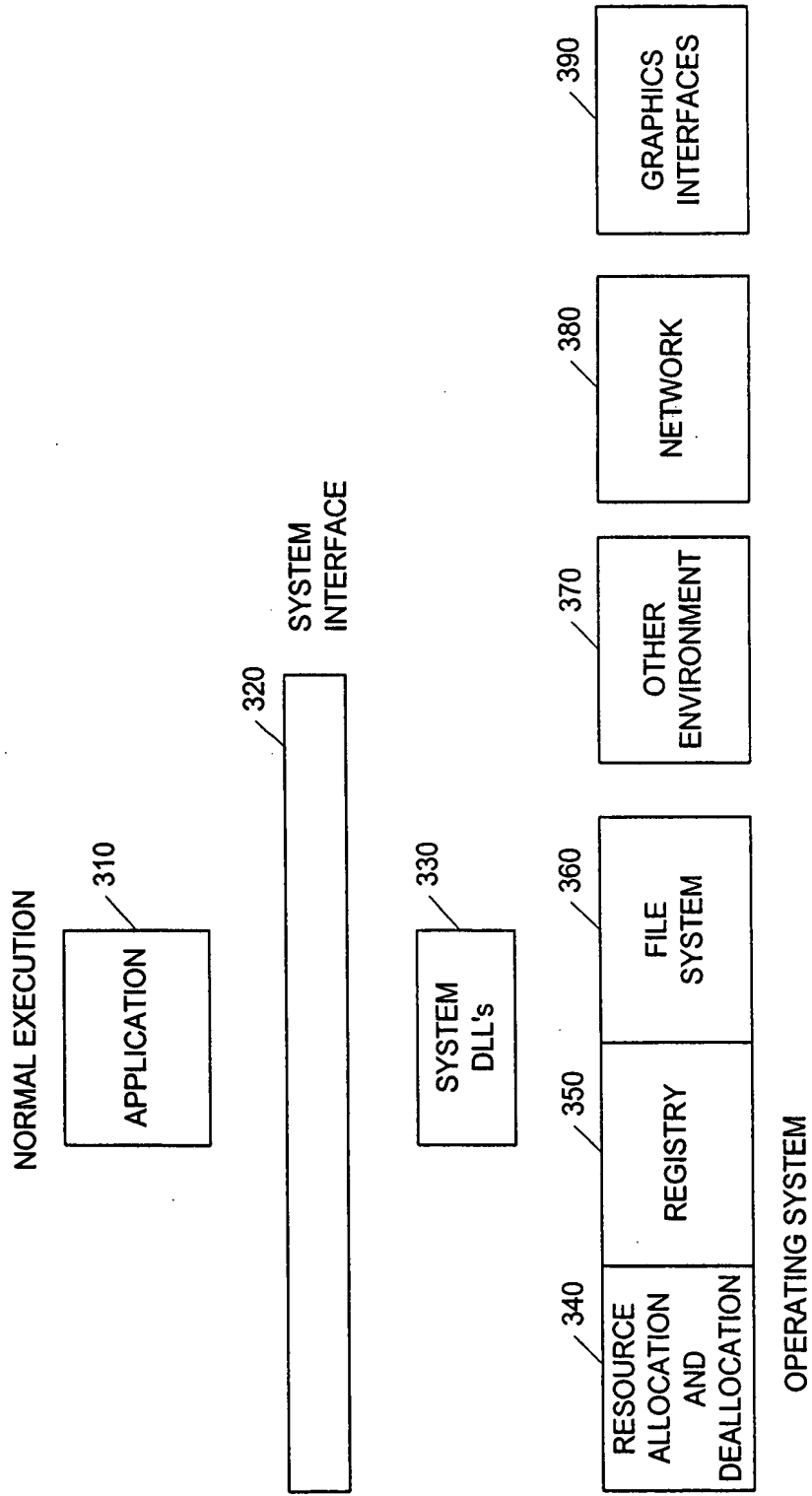
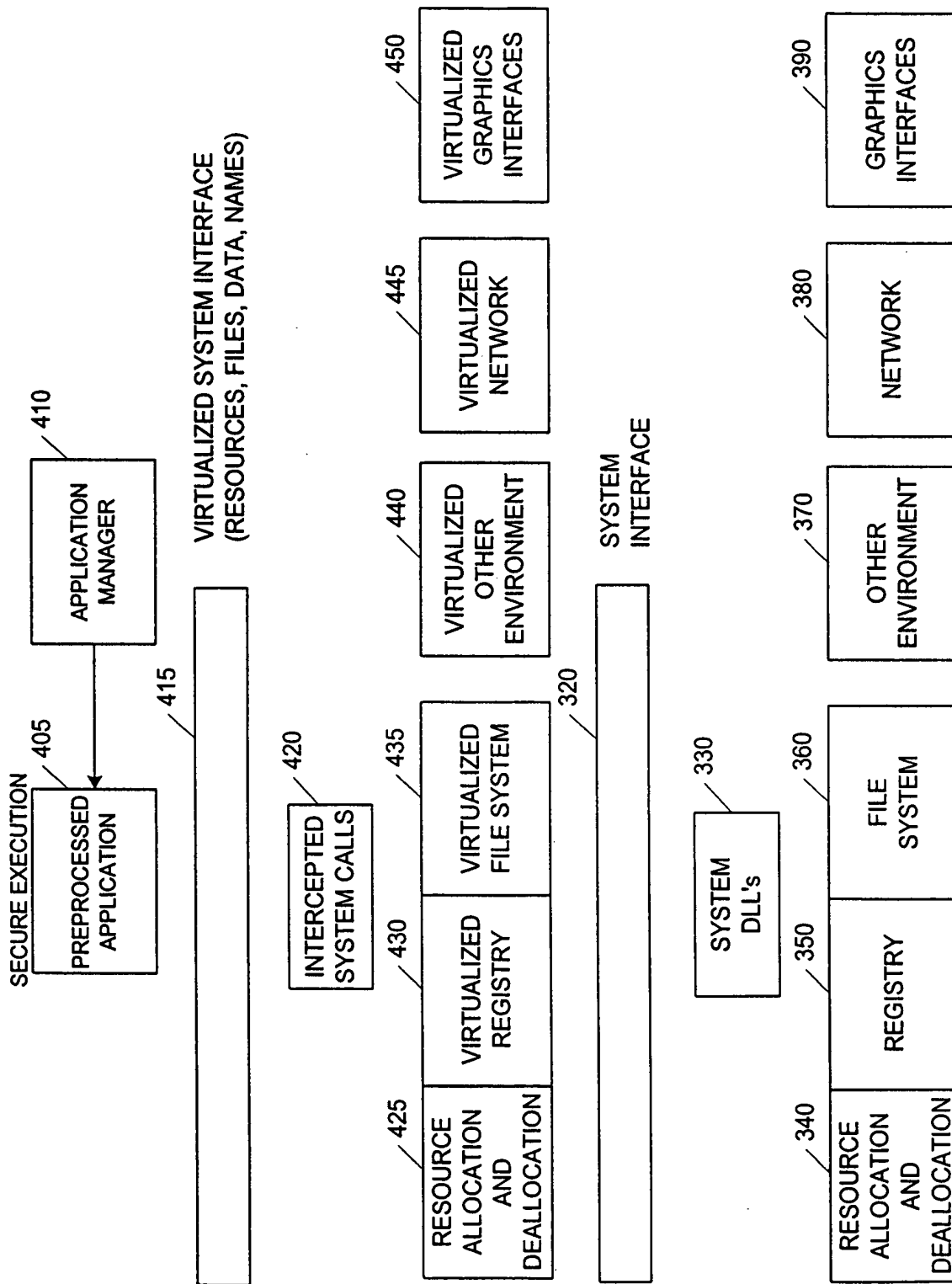


FIG. 2

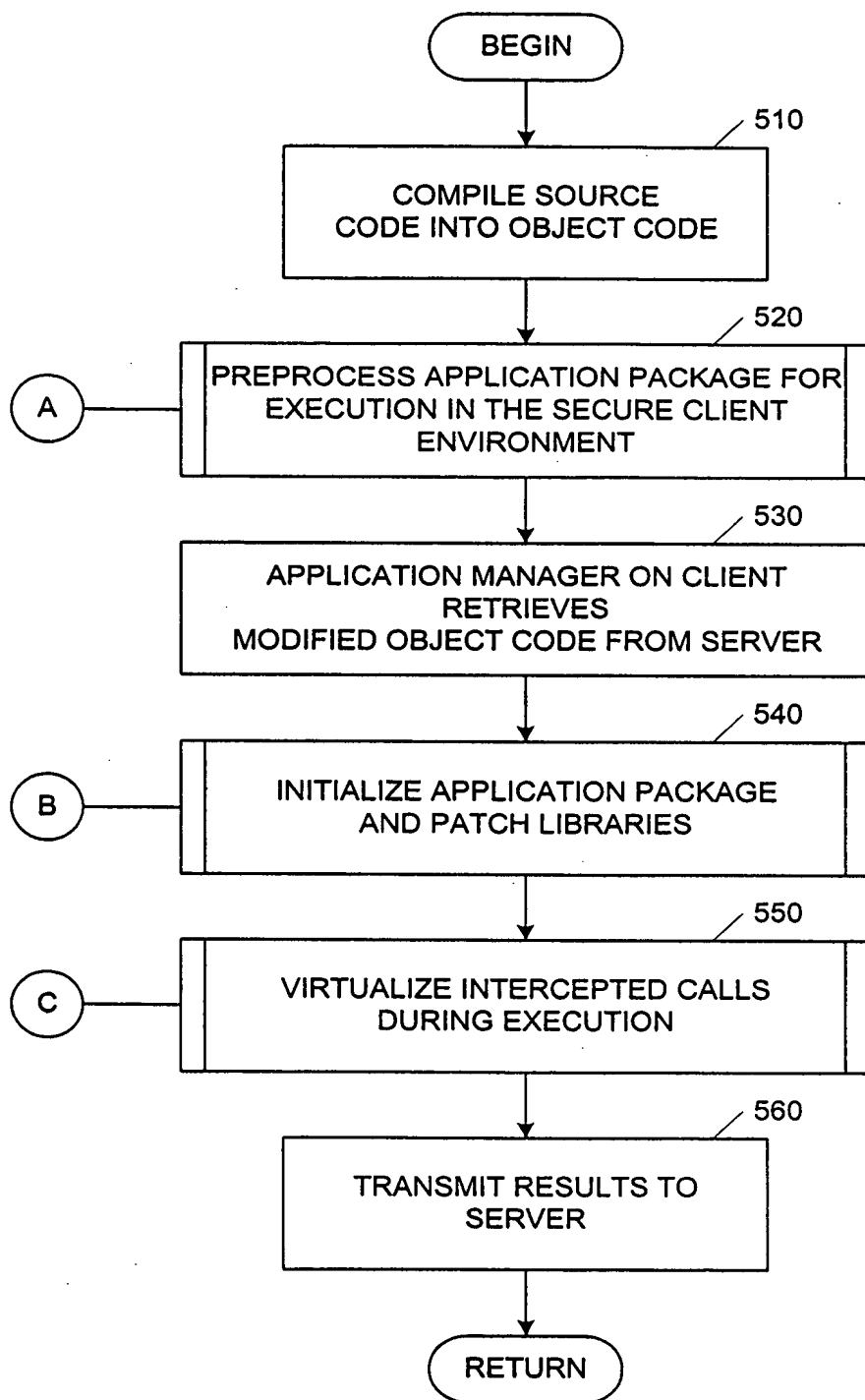




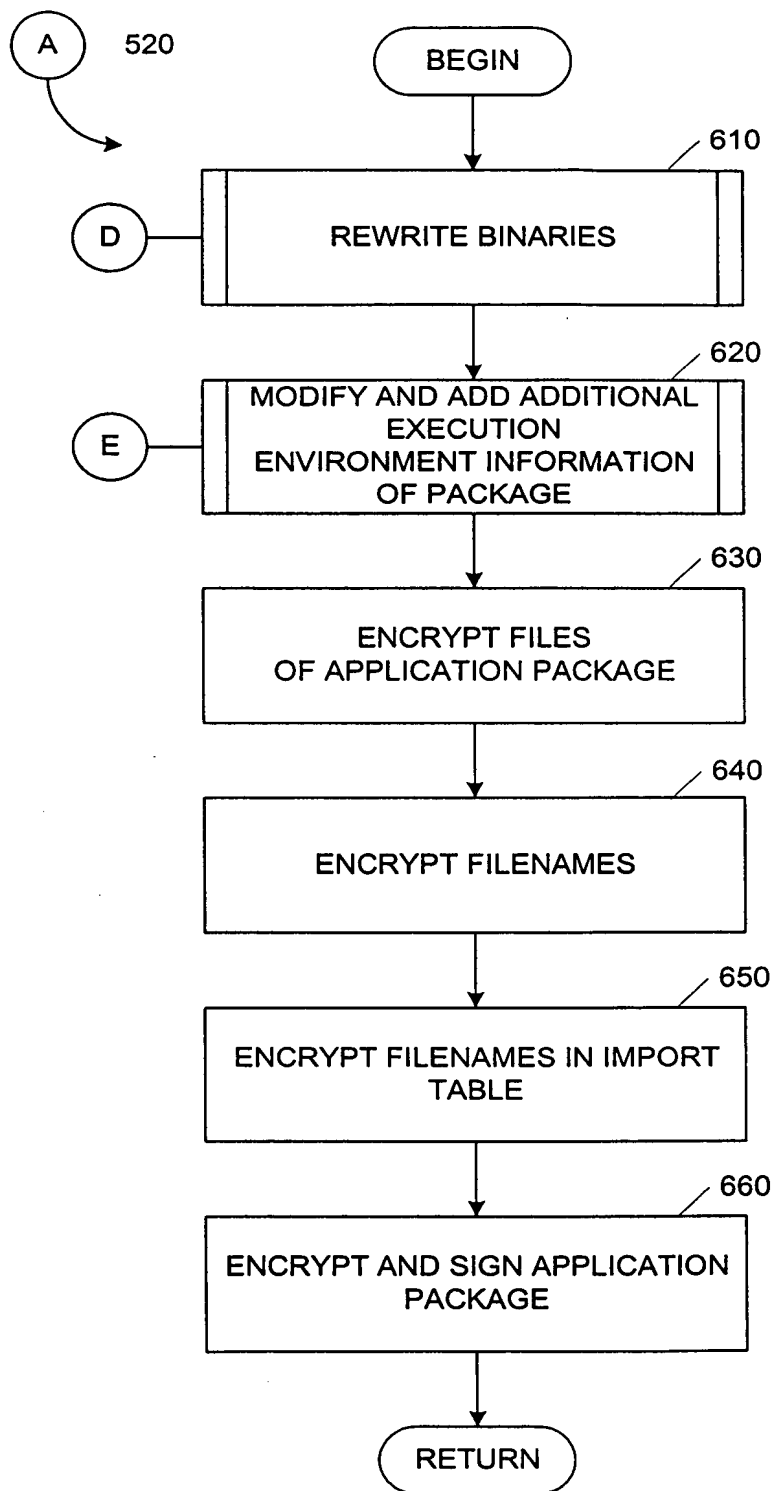
**FIG. 3**



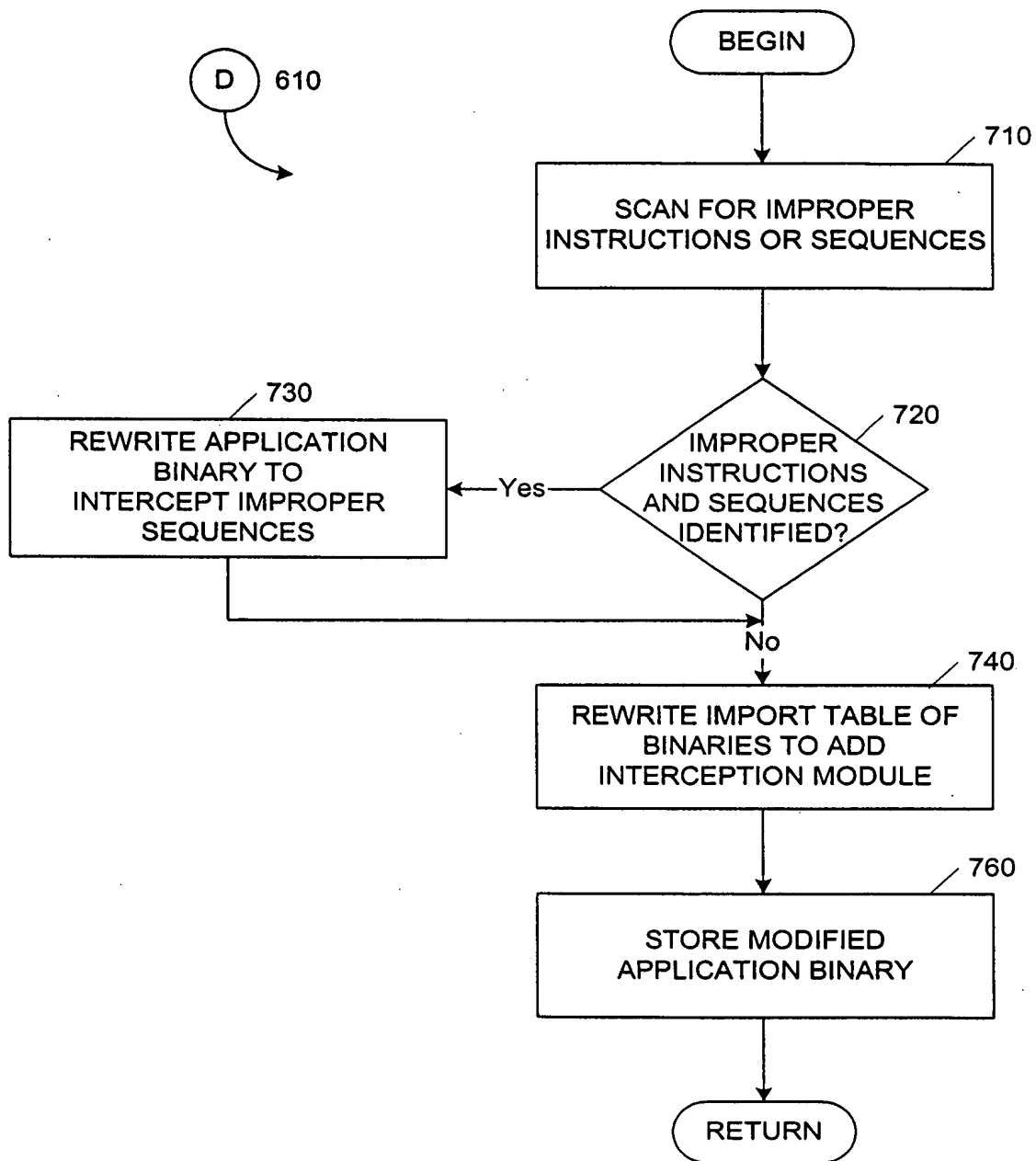
**FIG. 4**



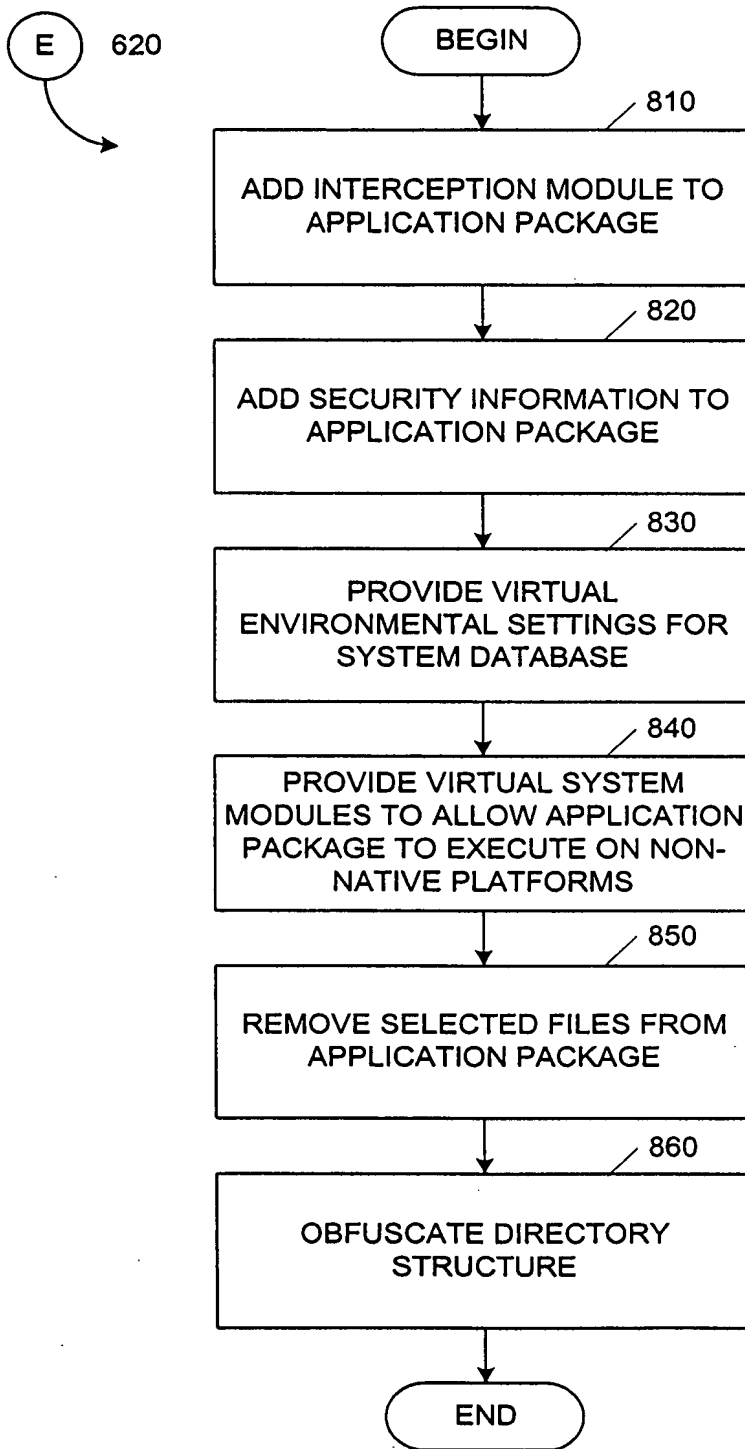
**FIG. 5**



**FIG. 6**

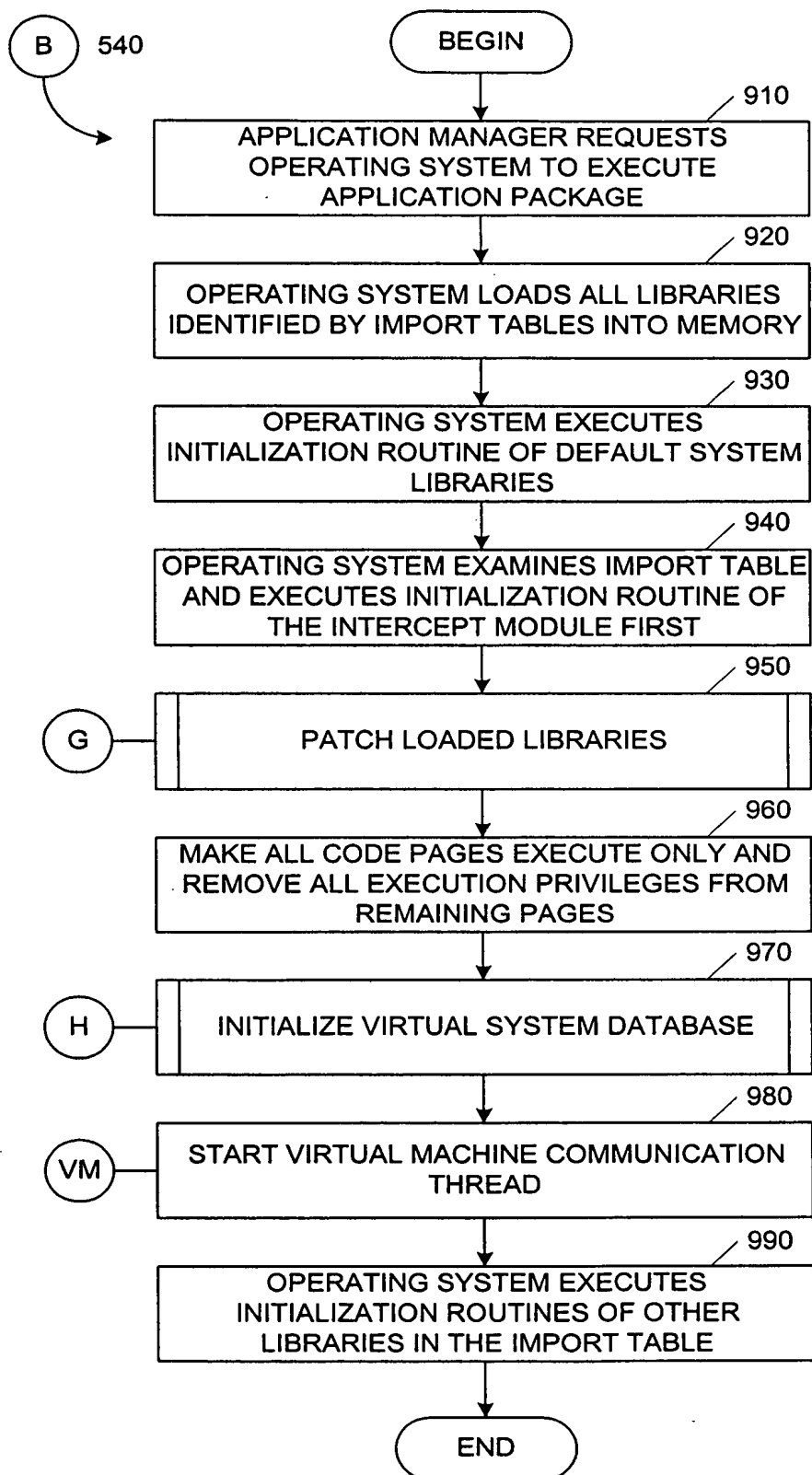


**FIG. 7**

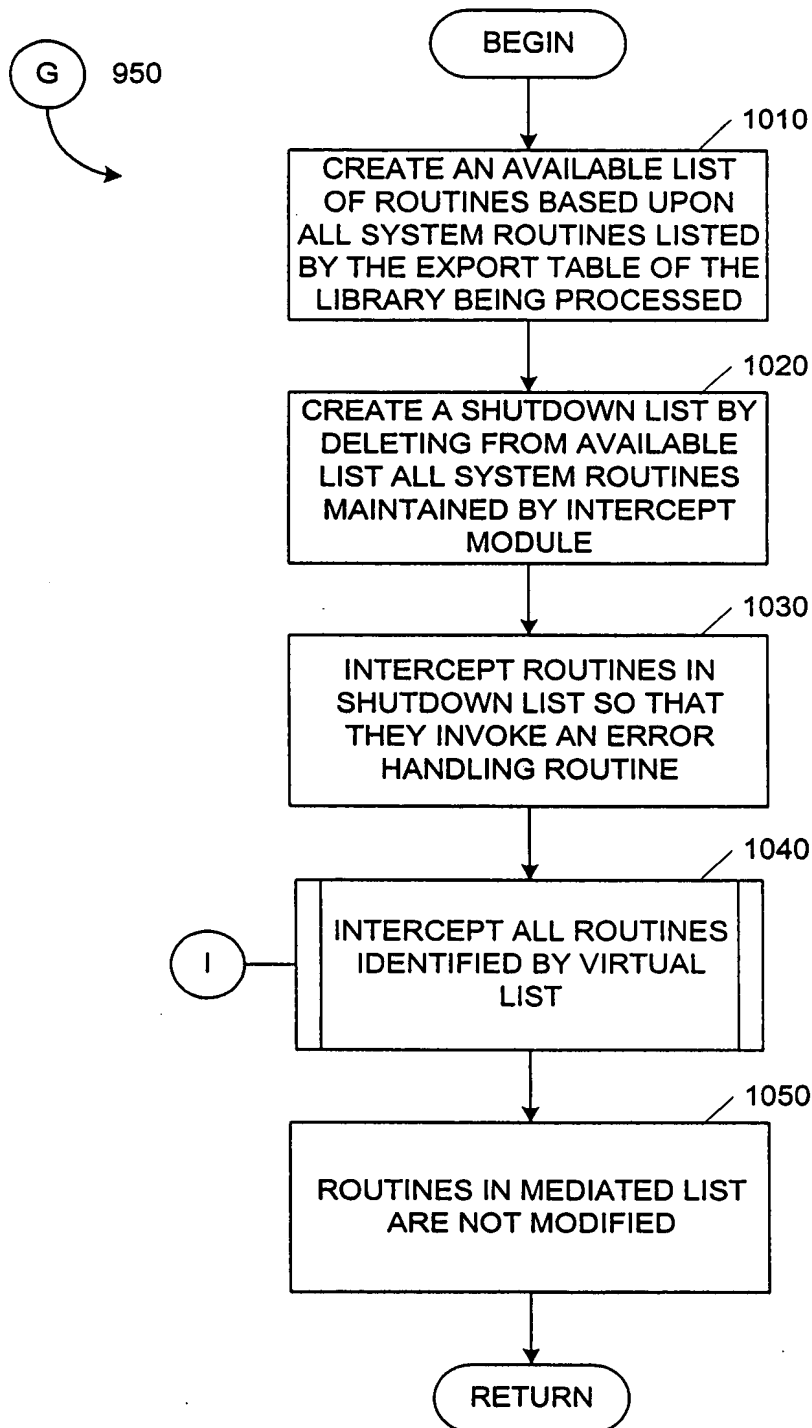


**FIG. 8**

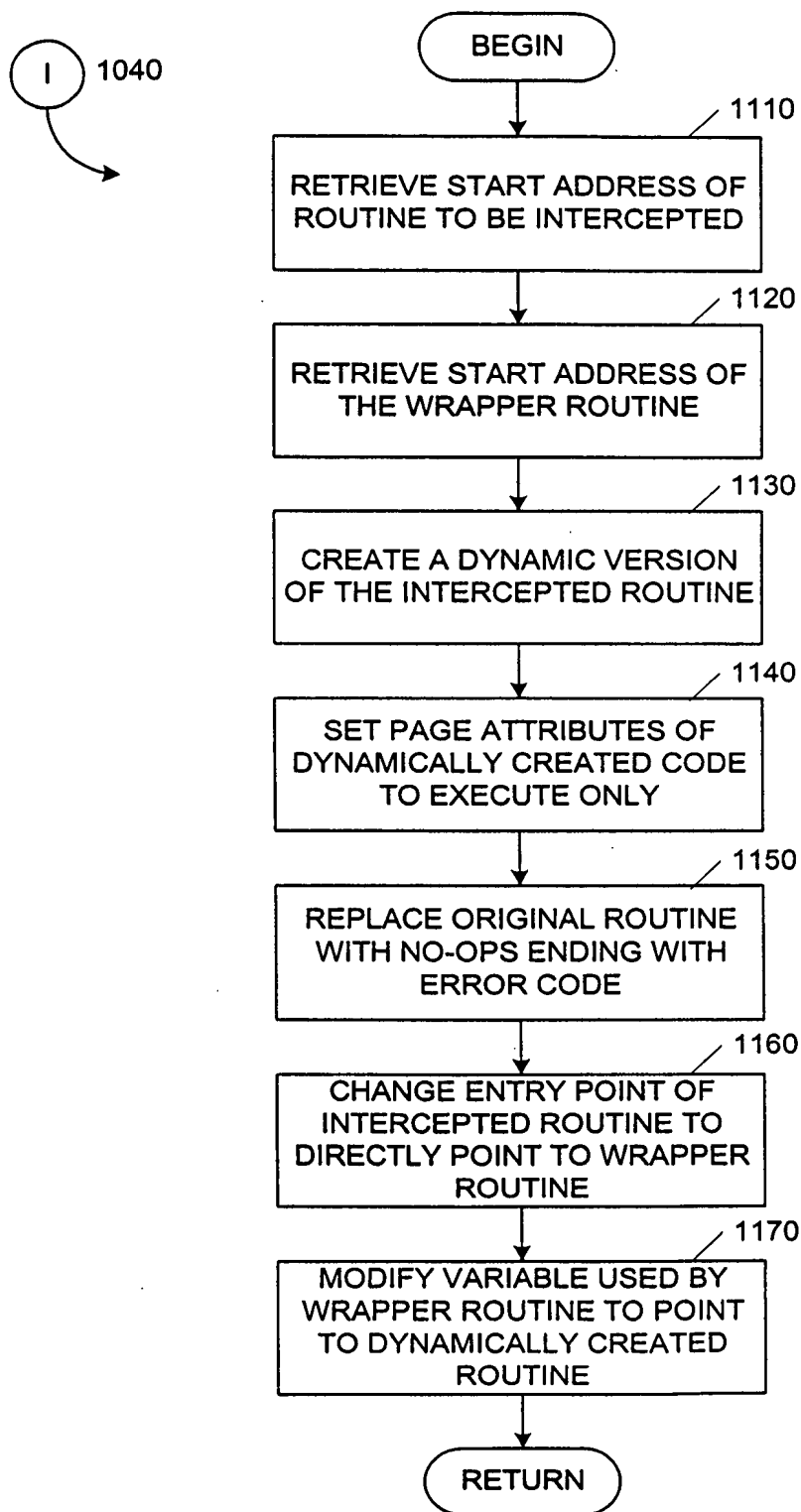




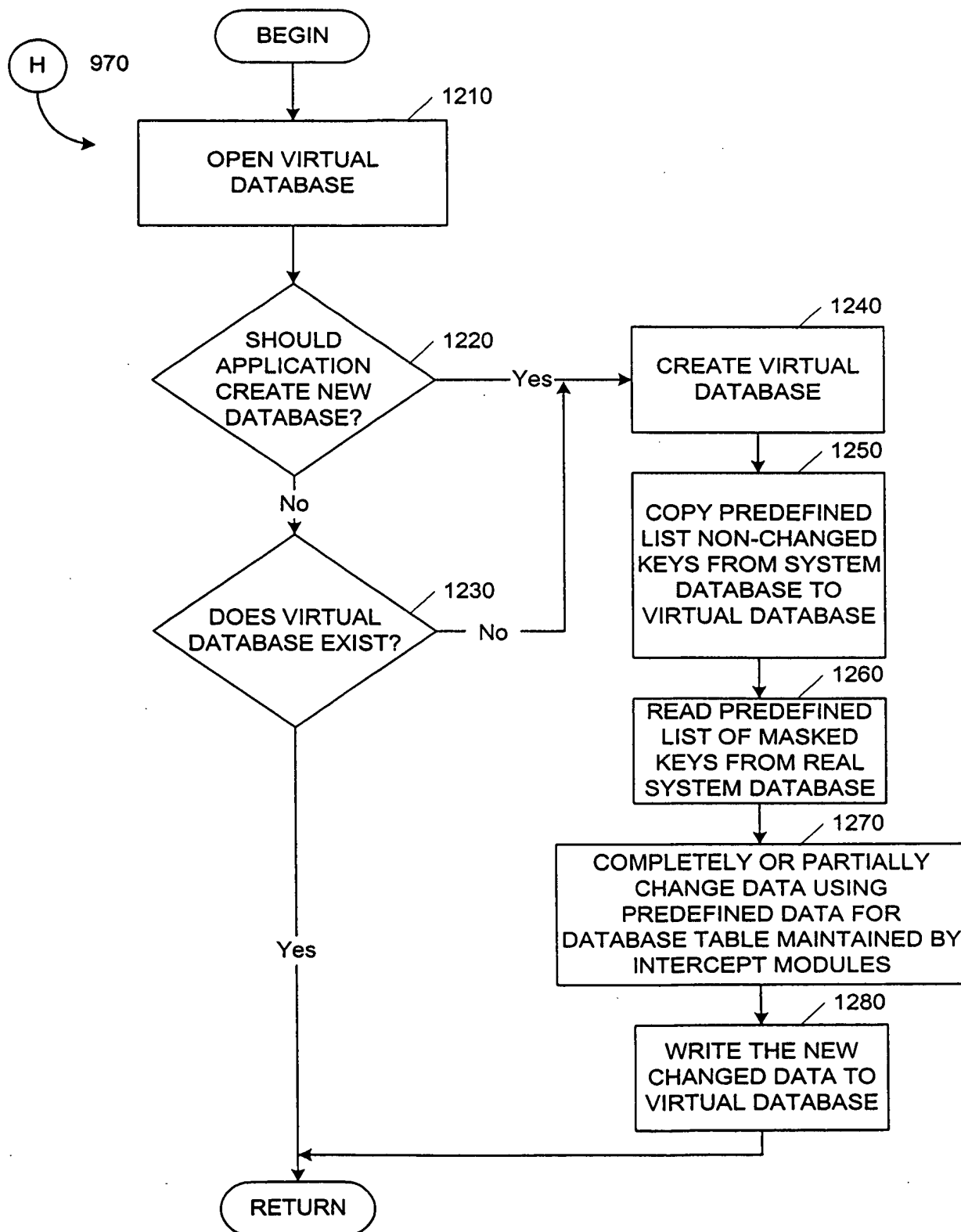
**FIG. 9**



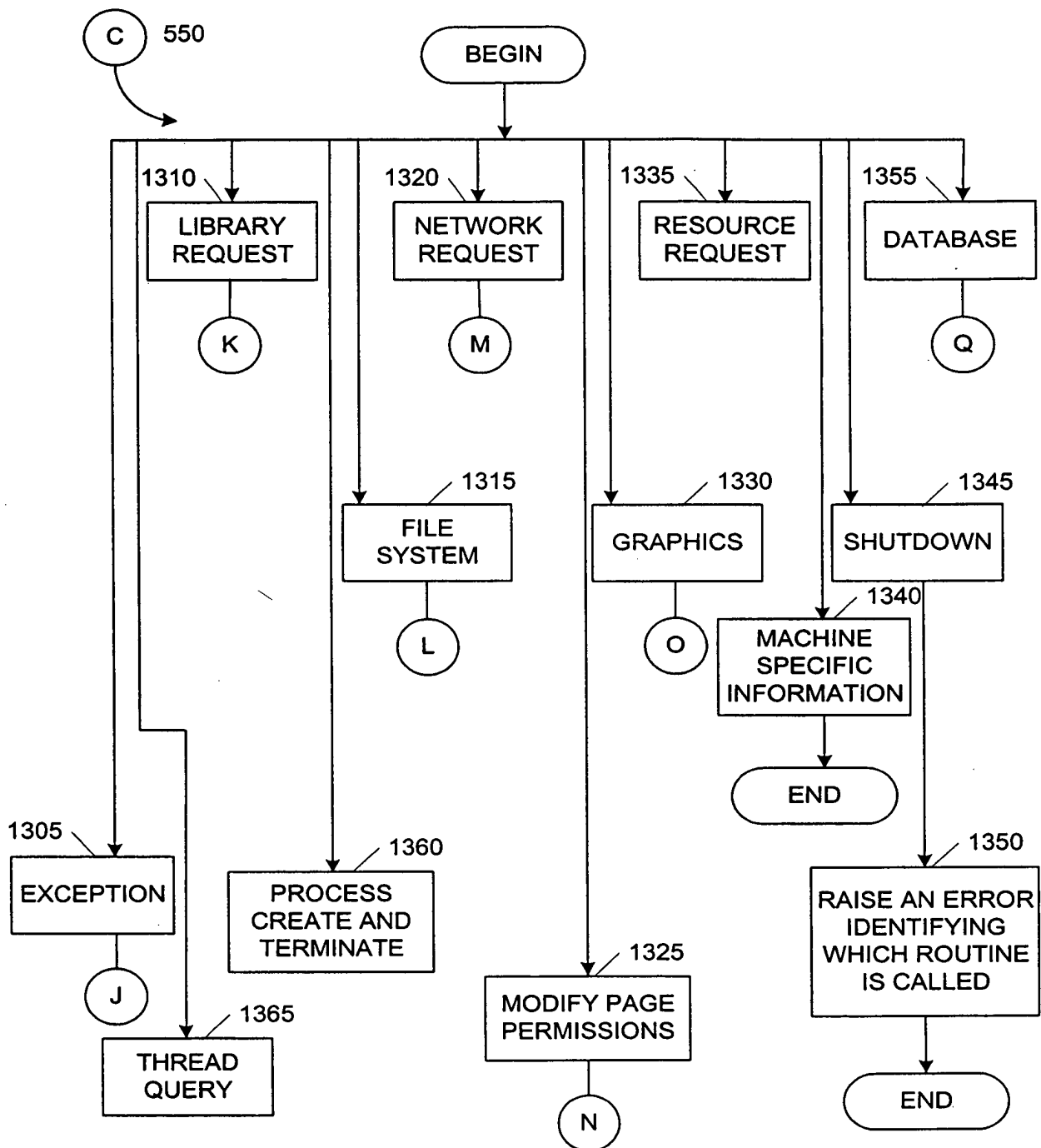
**FIG. 10**



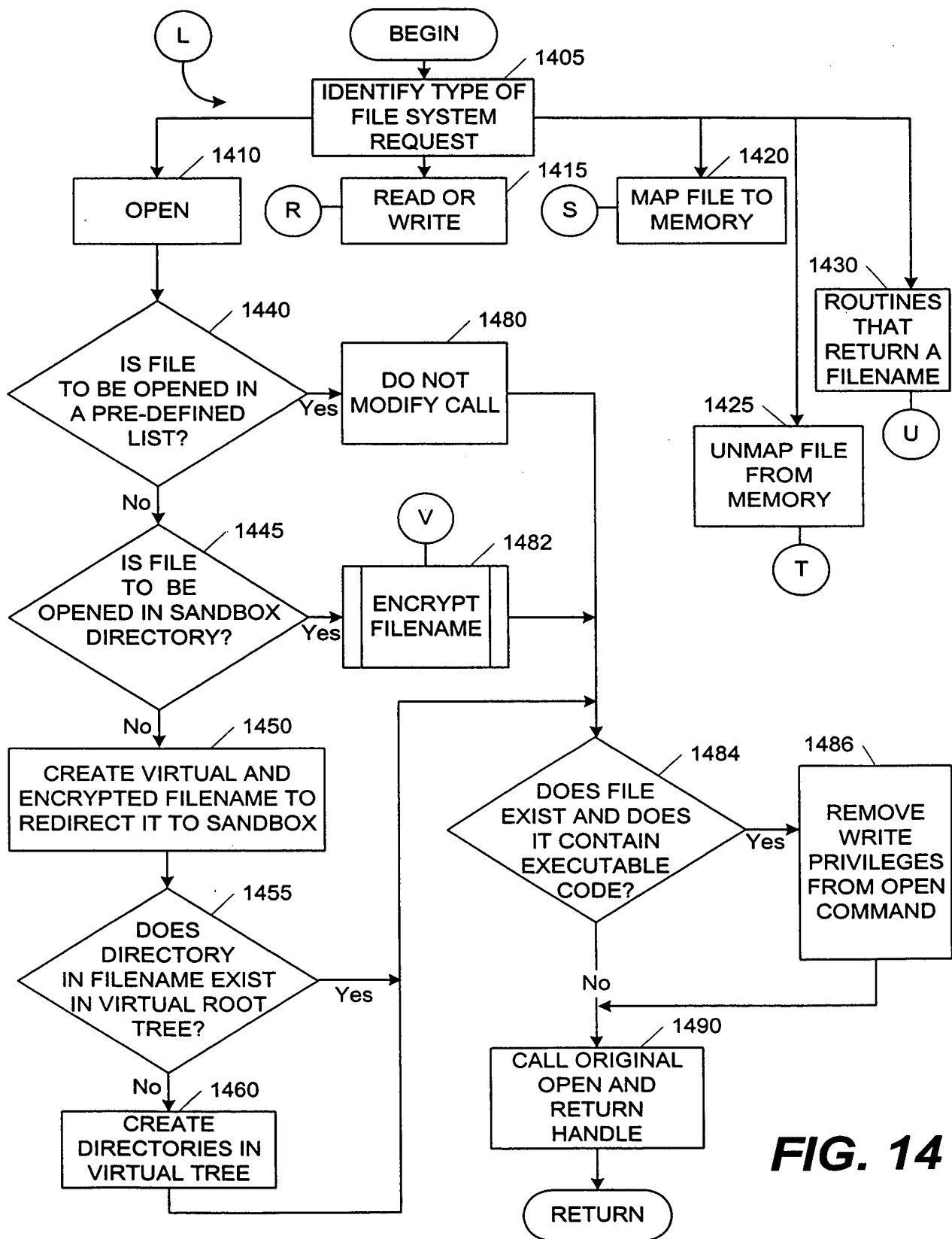
**FIG. 11**



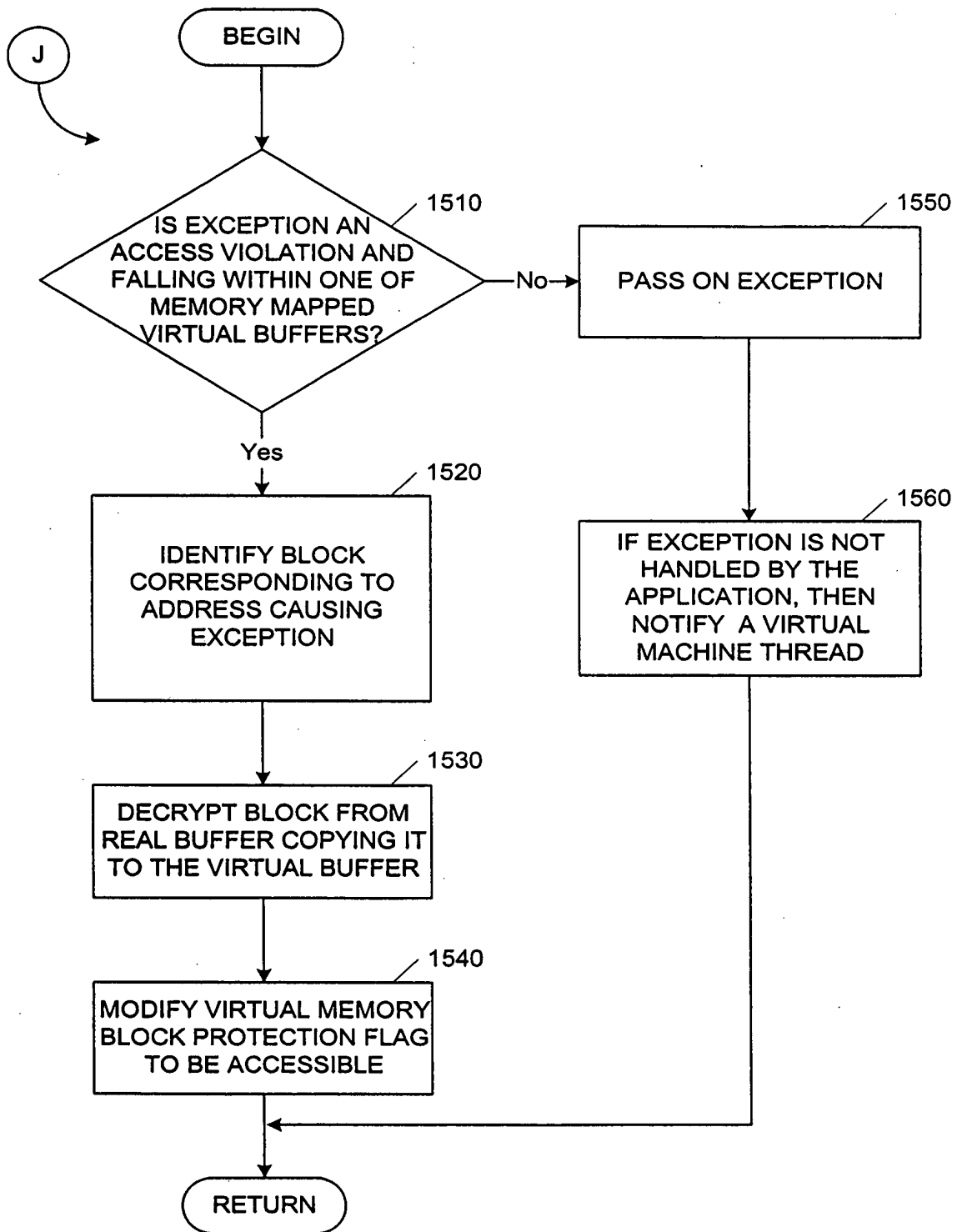
**FIG. 12**



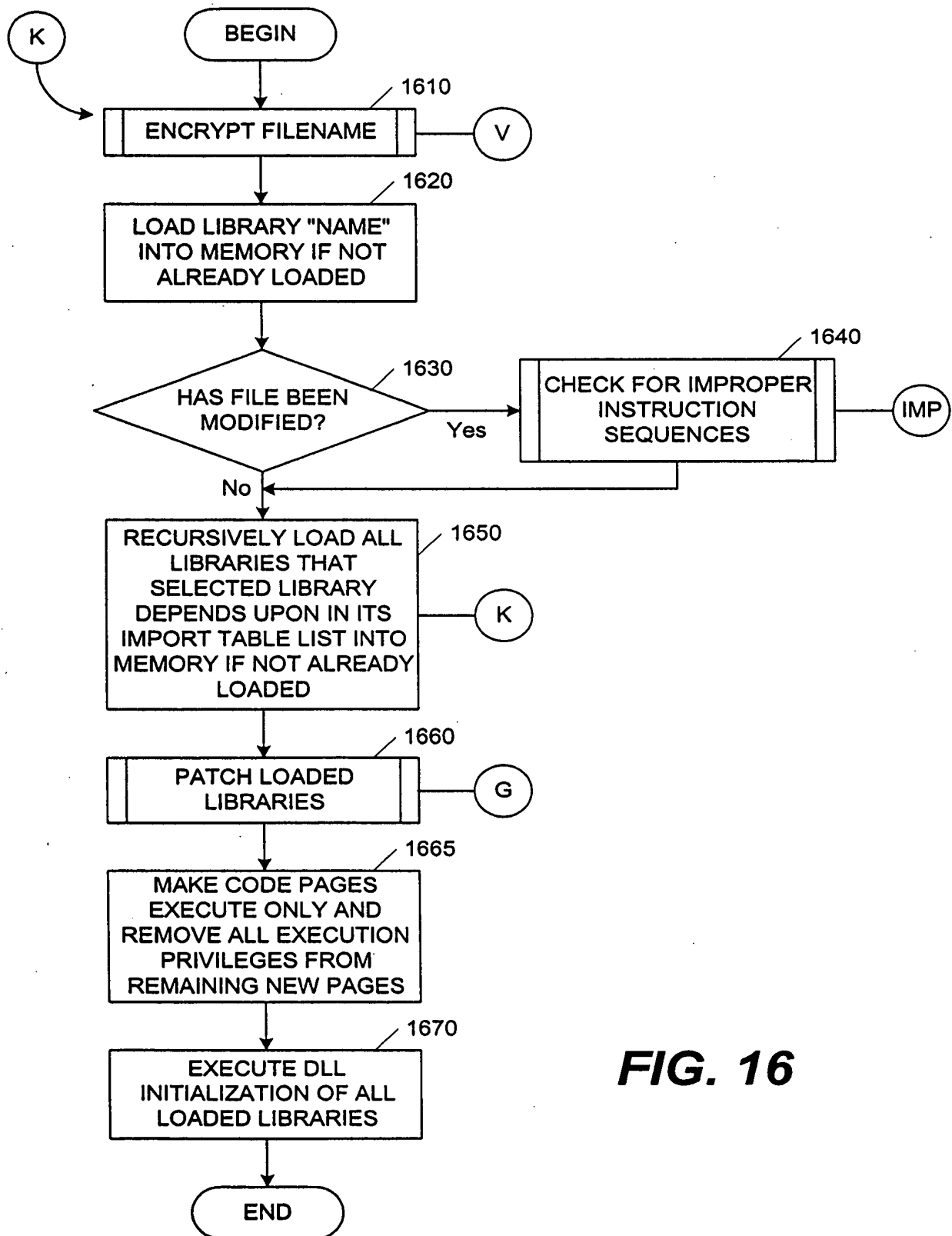
**FIG. 13**



**FIG. 14**

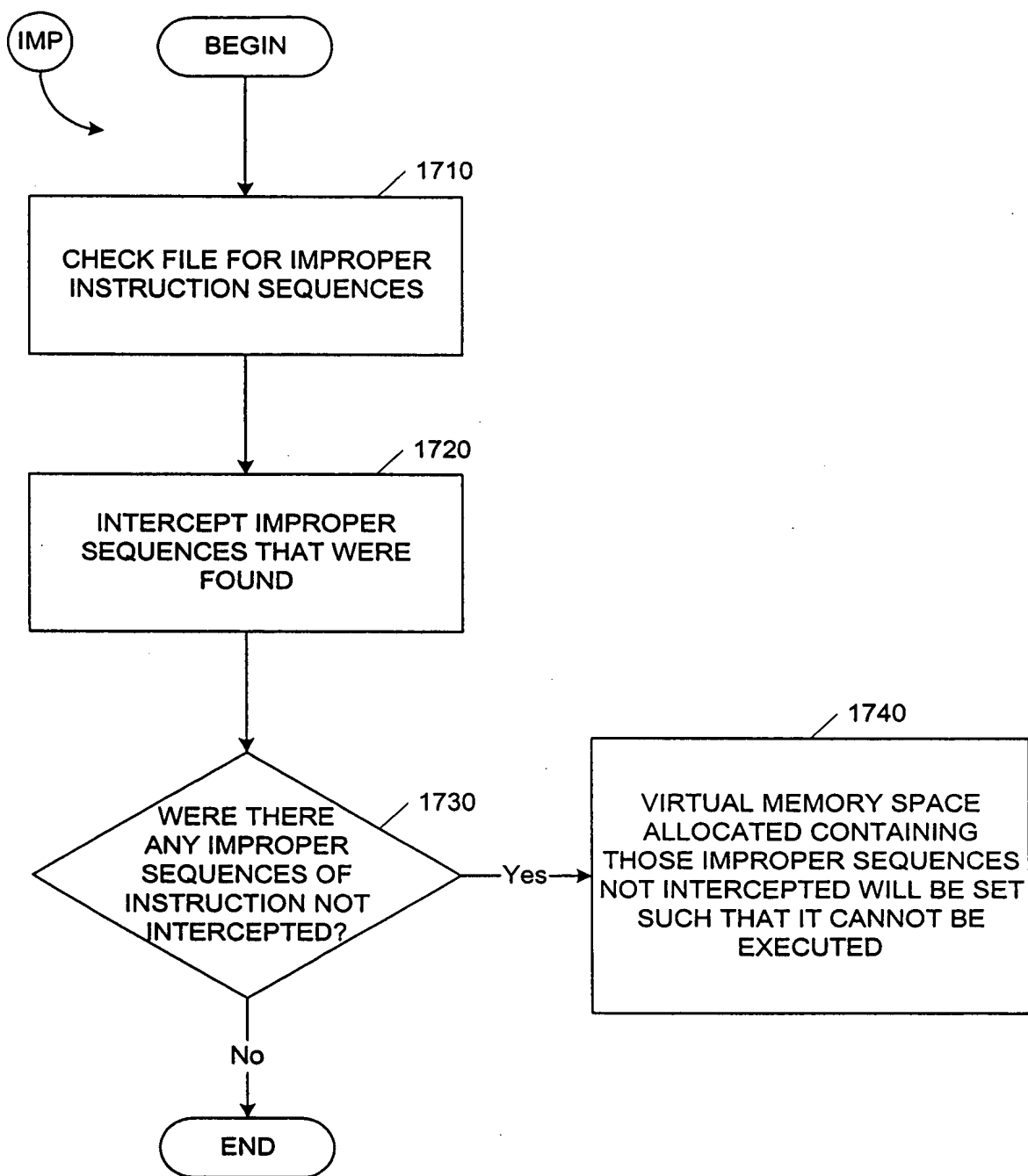


**FIG. 15**

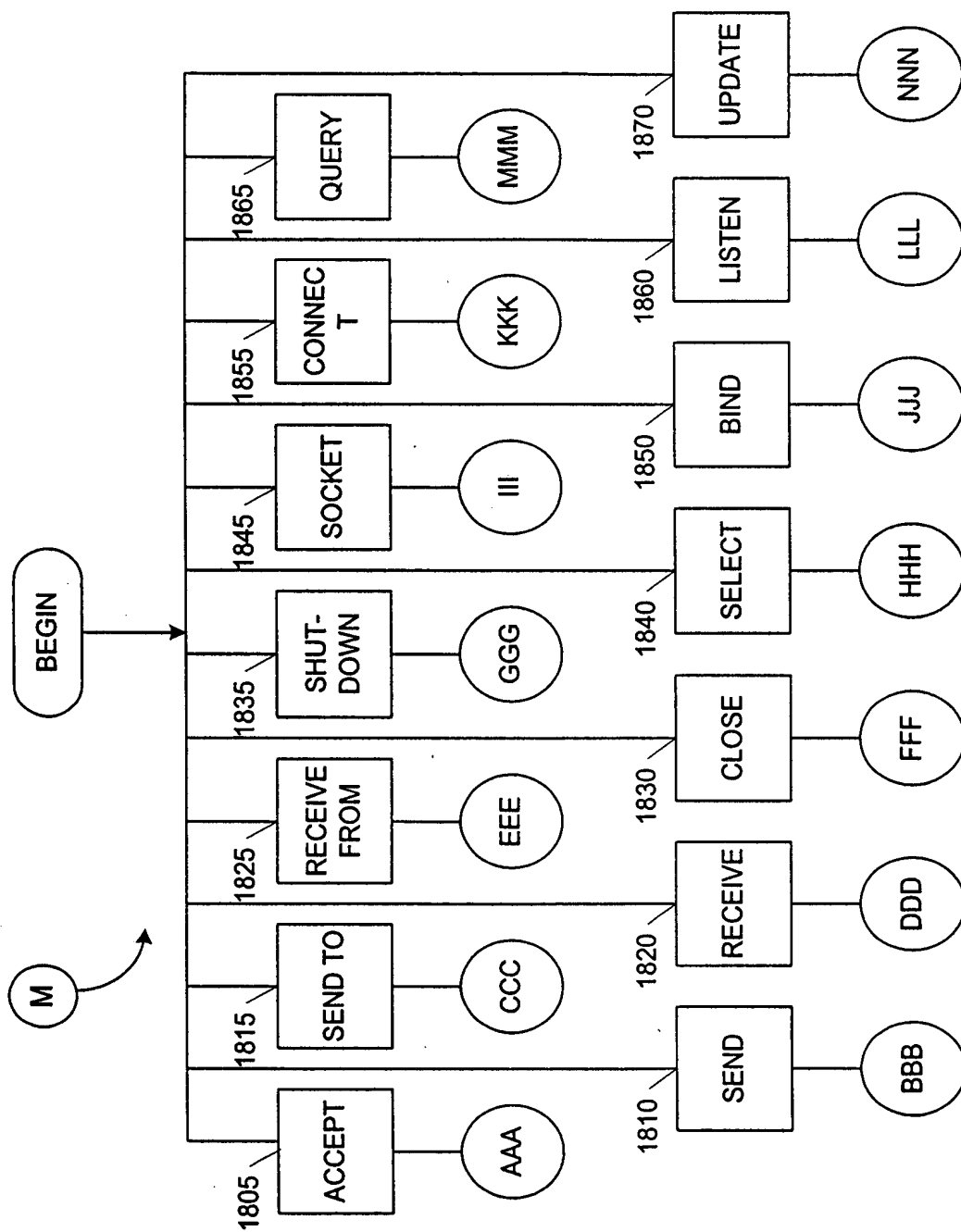


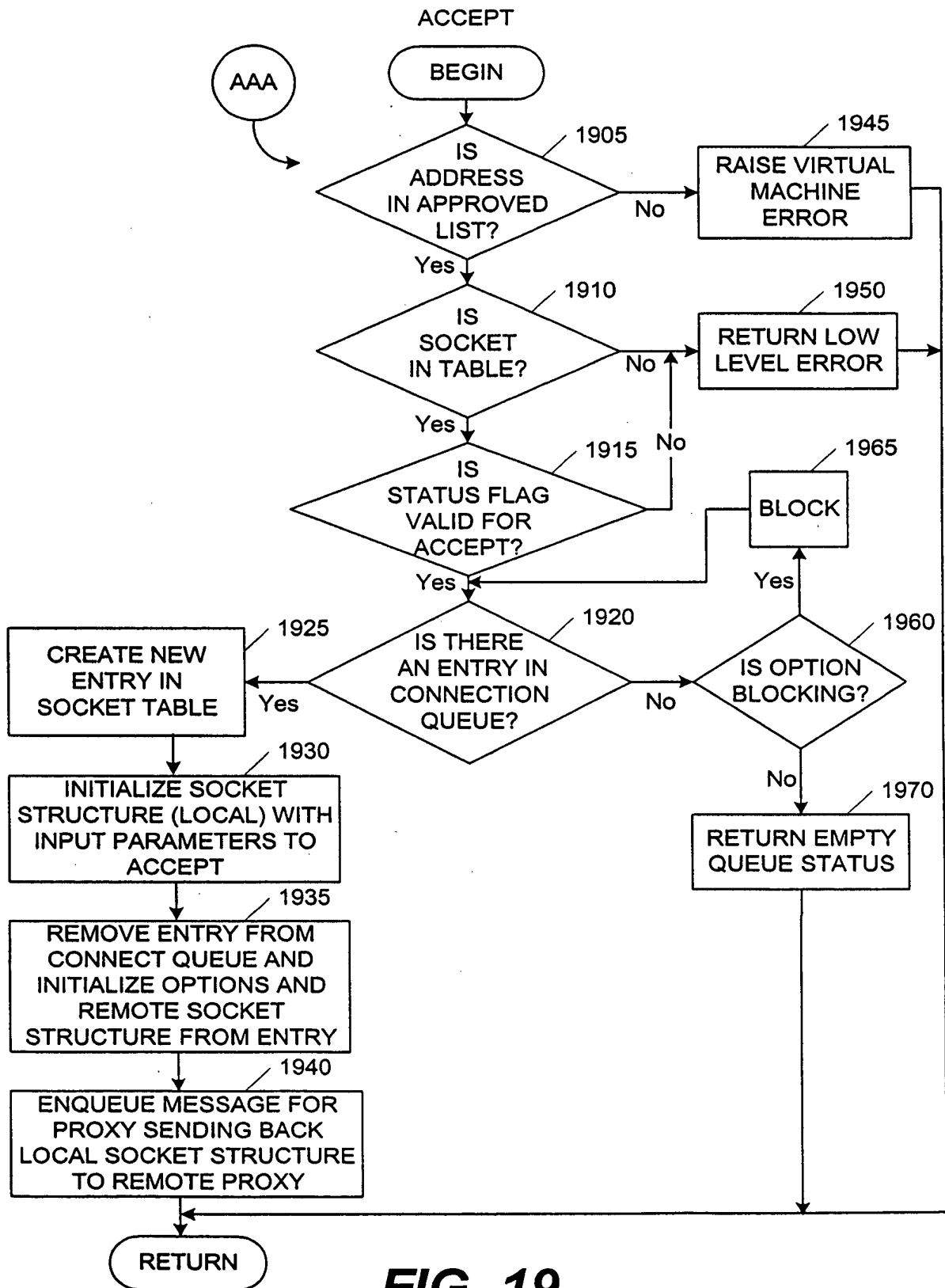
**FIG. 16**



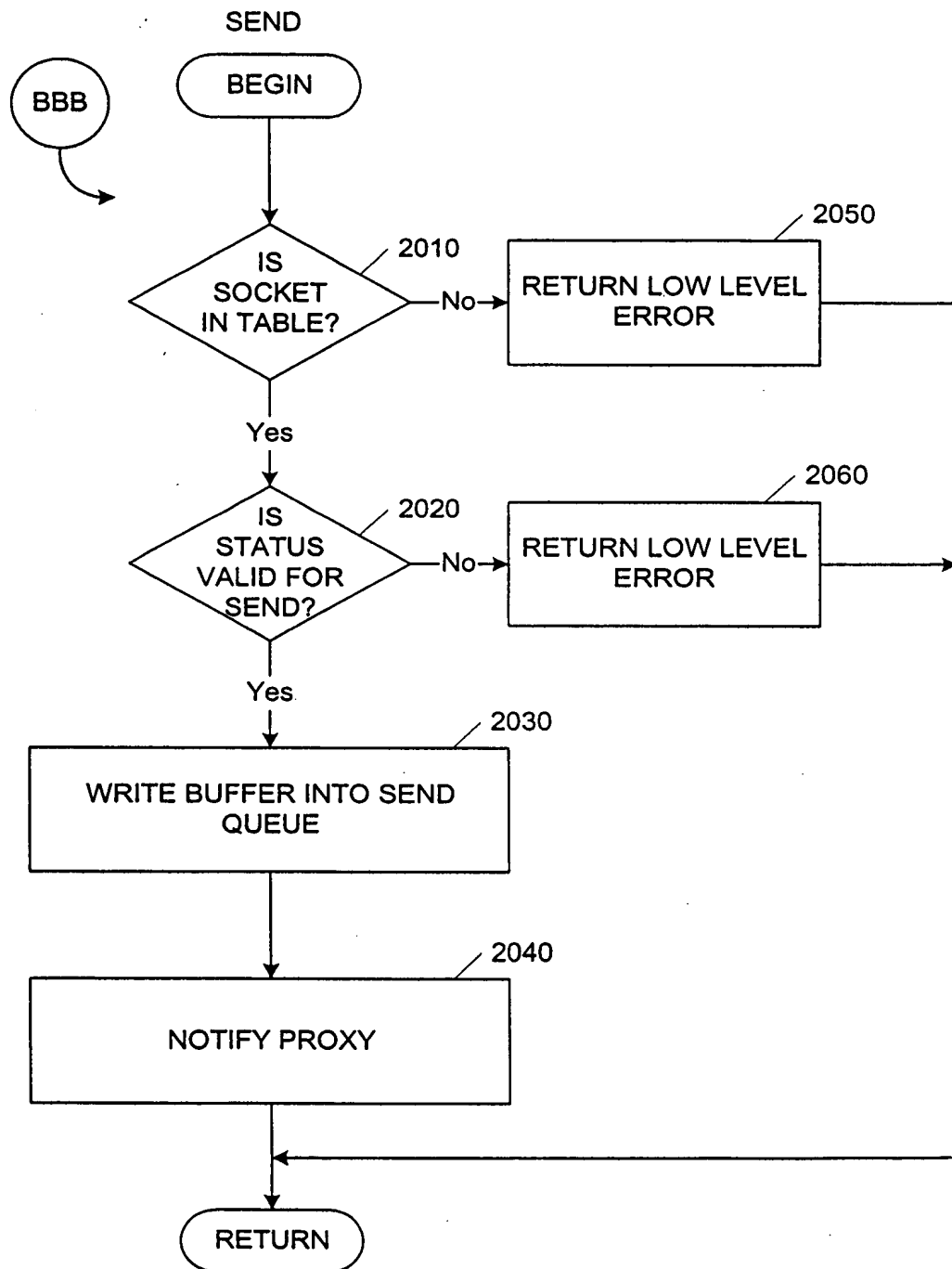


**FIG. 17**



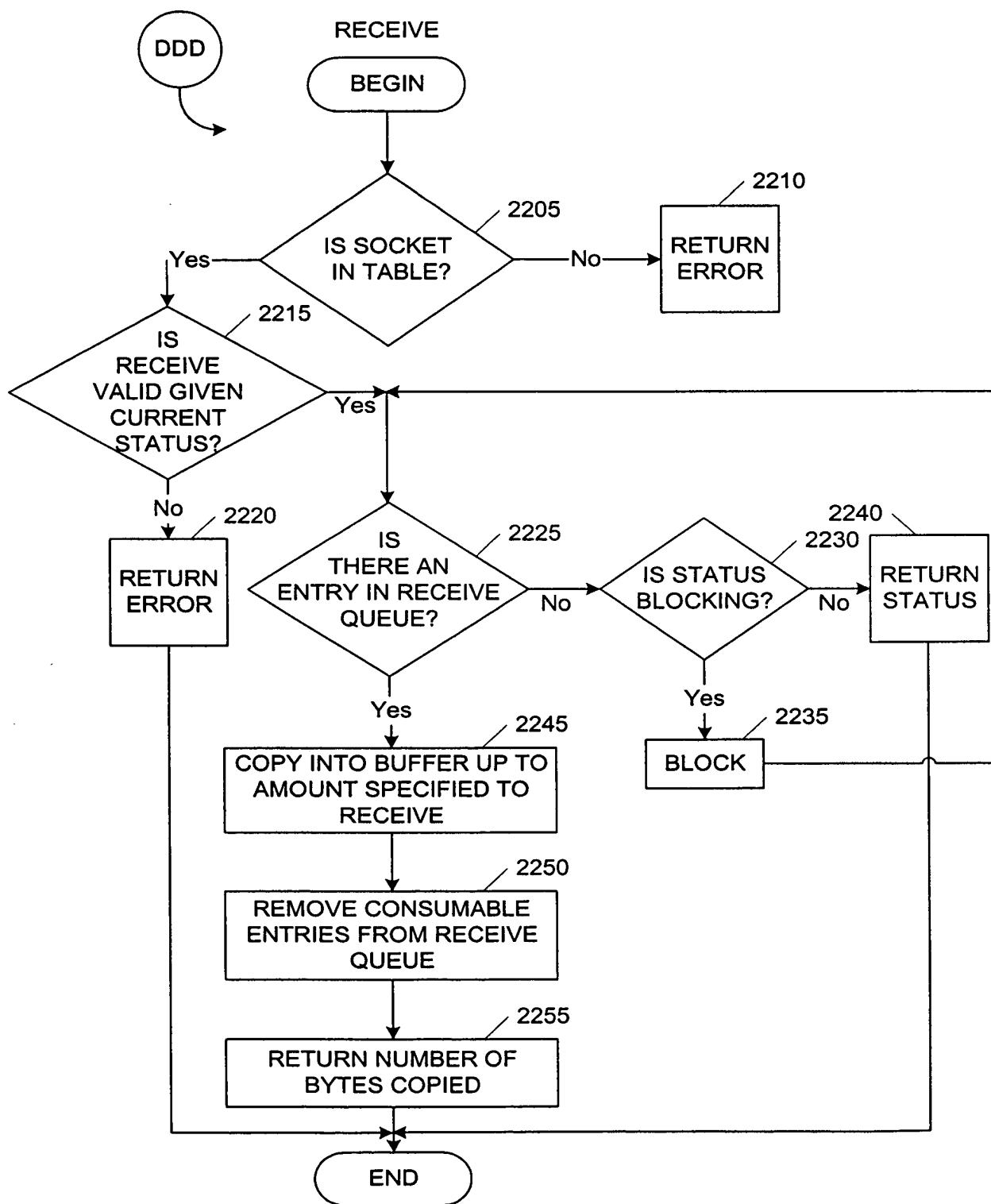


**FIG. 19**

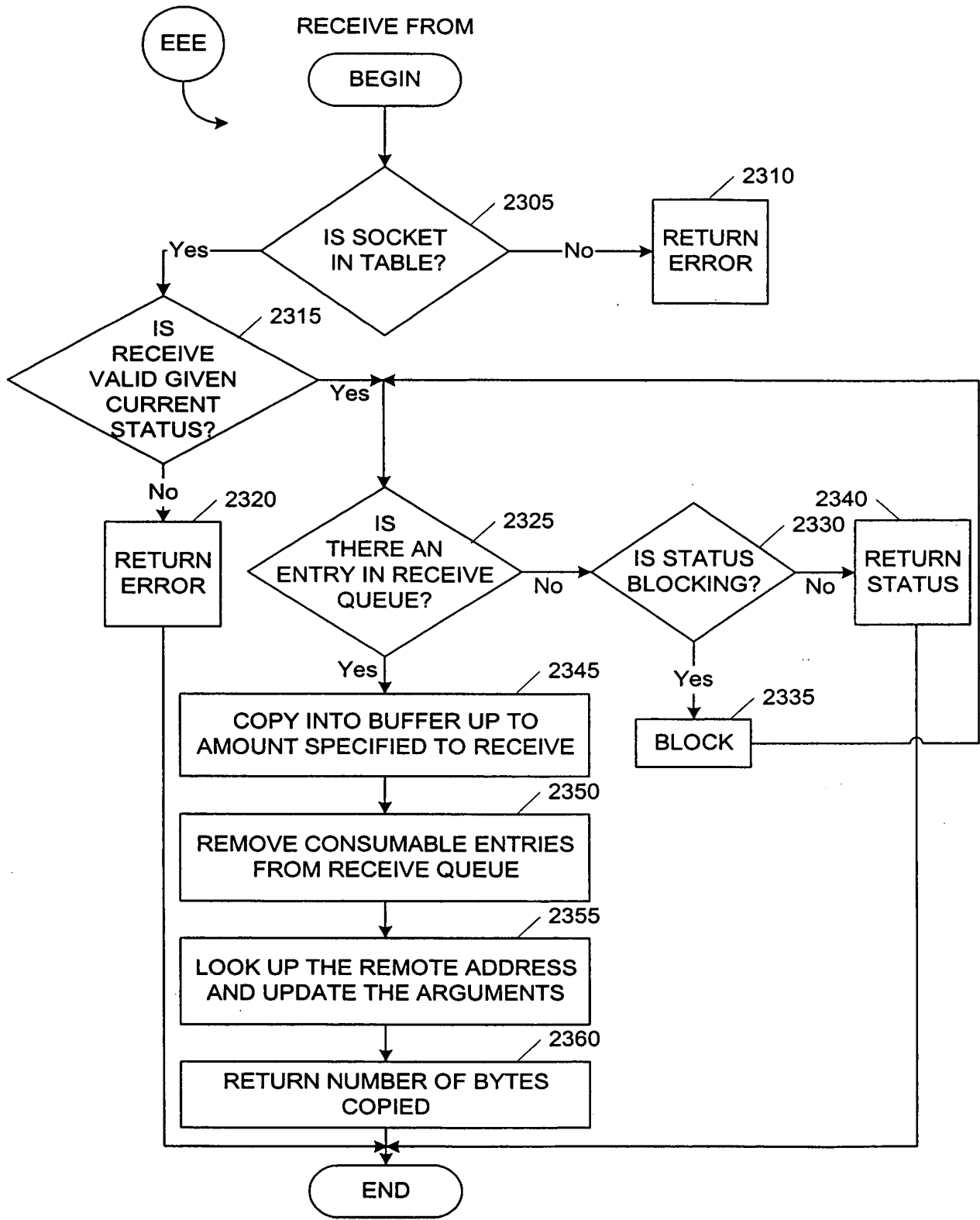
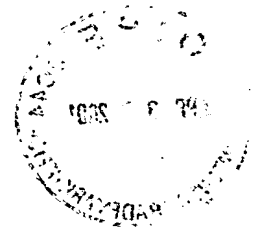


**FIG. 20**

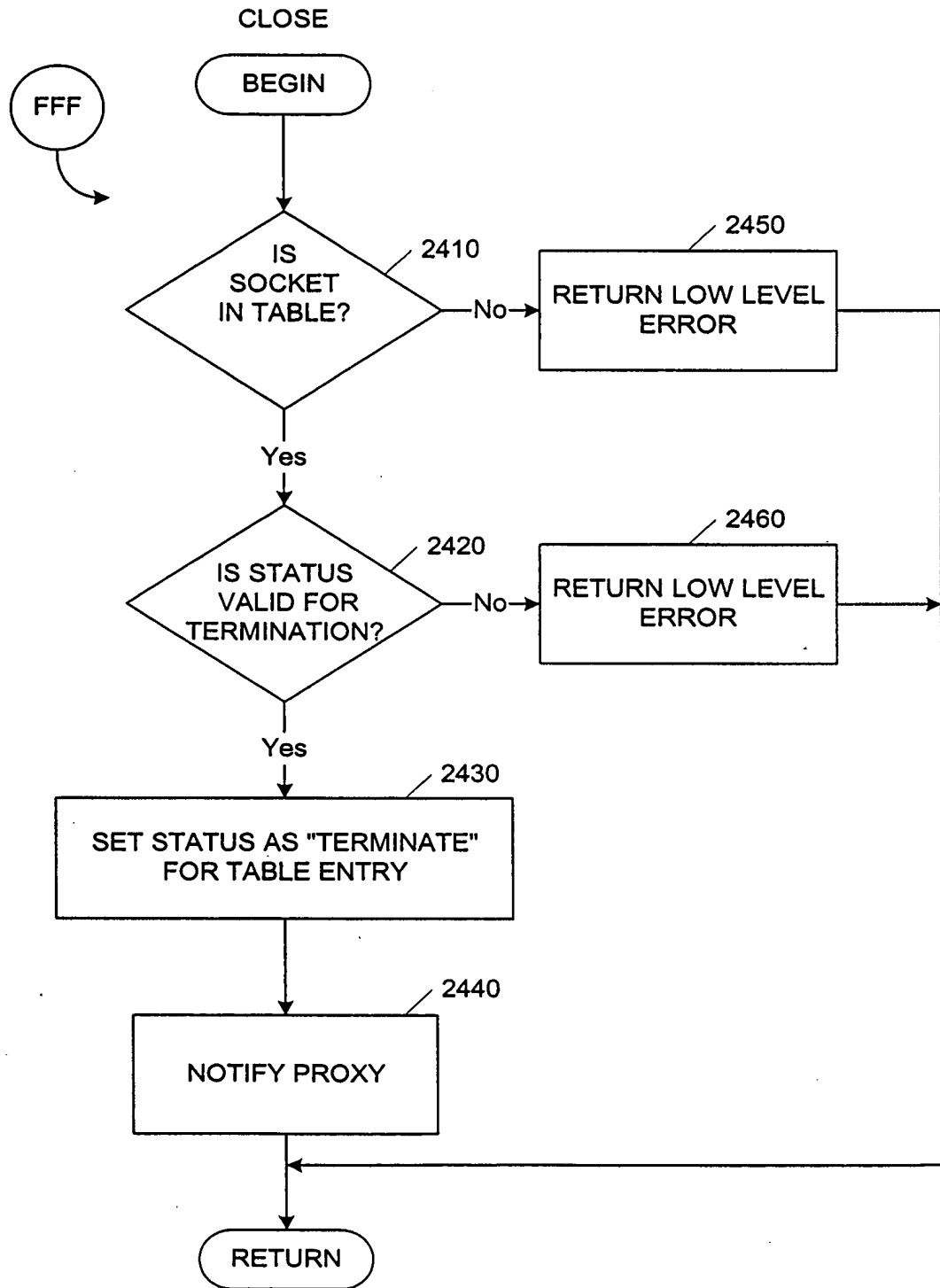




**FIG. 22**

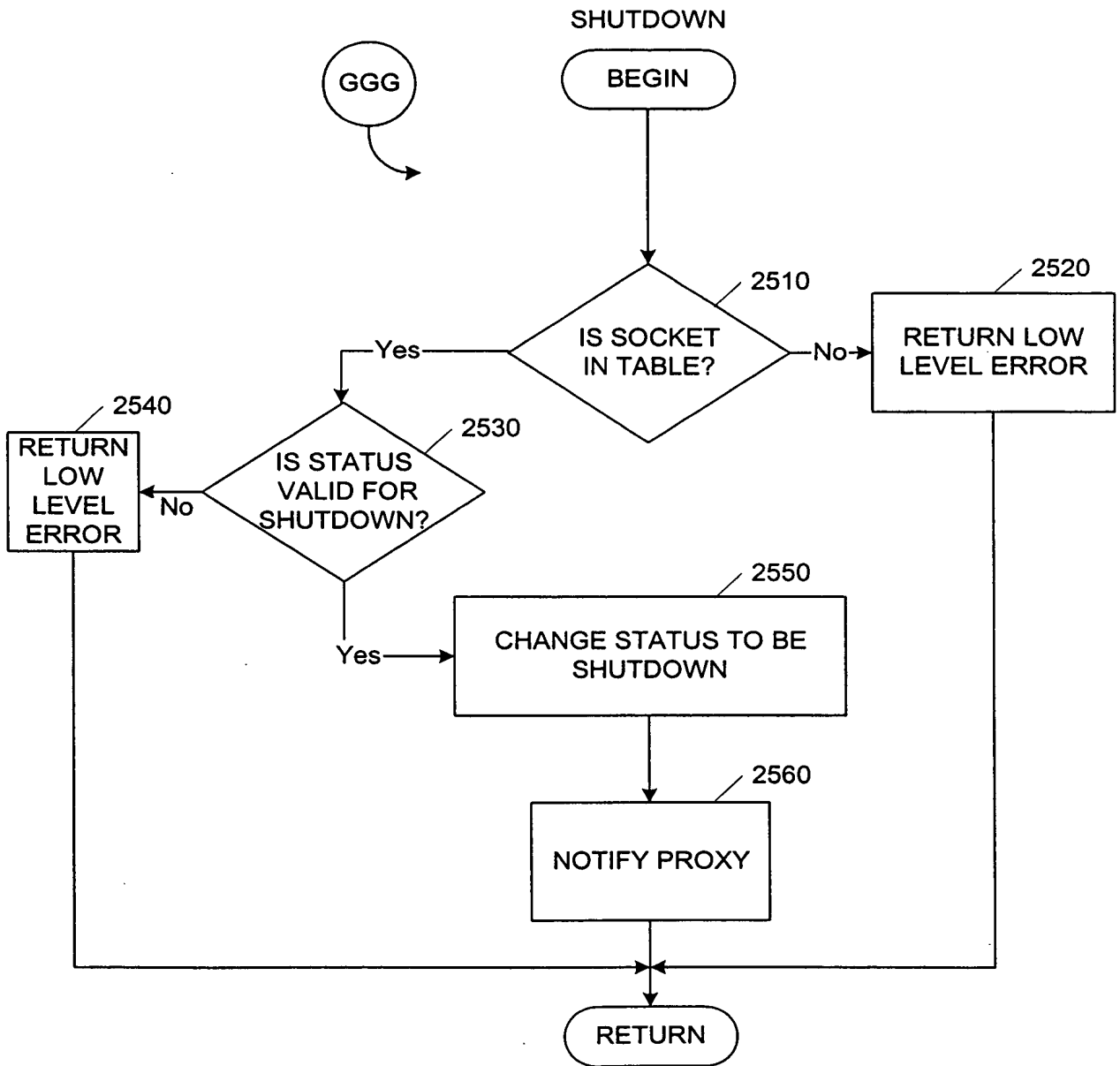


**FIG. 23**

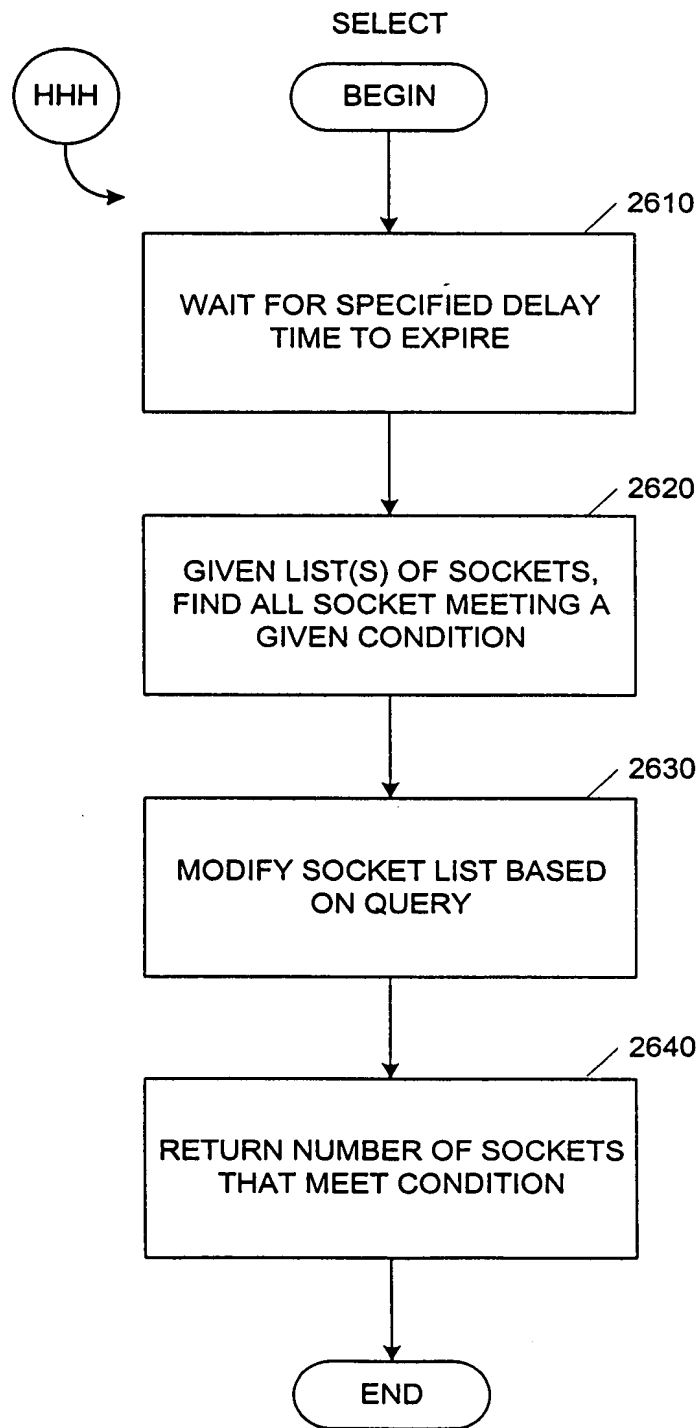
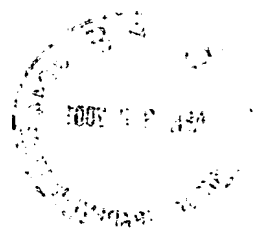


**FIG. 24**

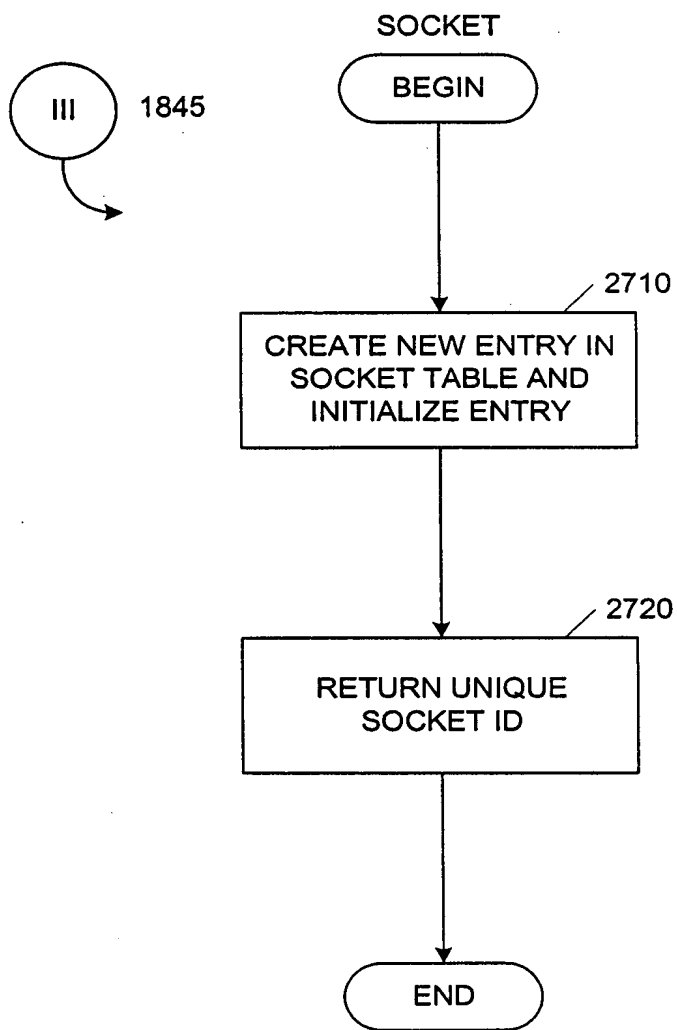




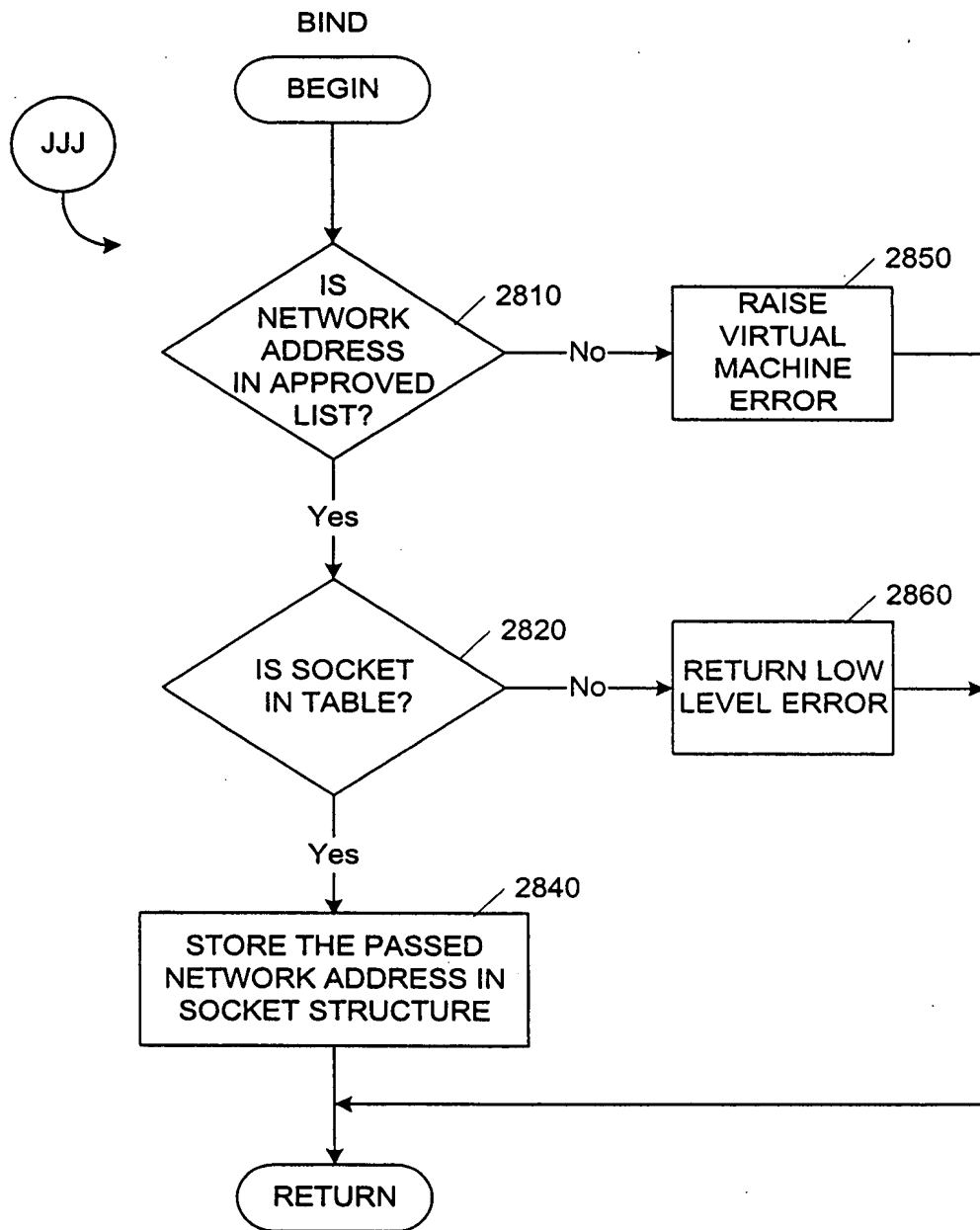
**FIG. 25**



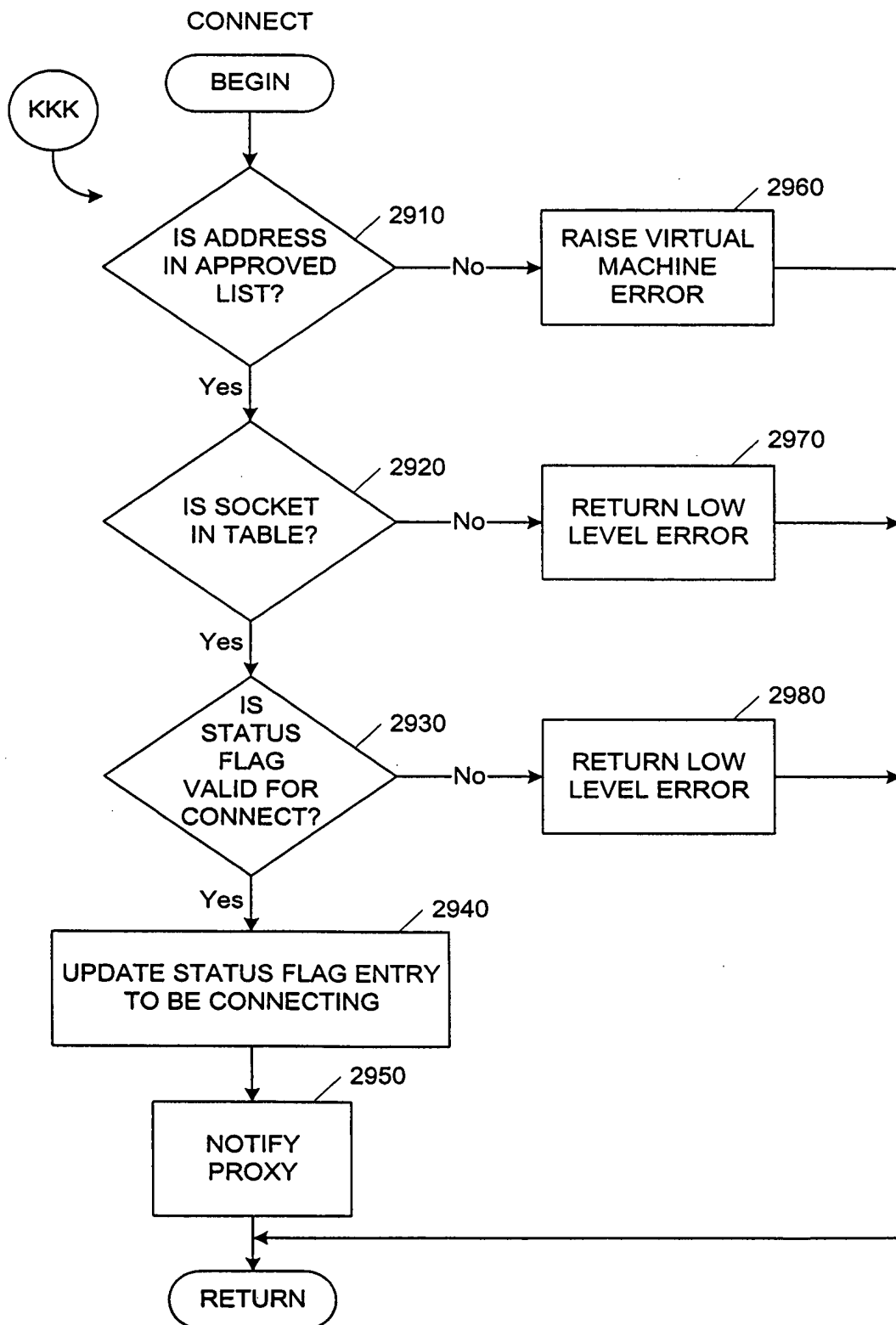
**FIG. 26**



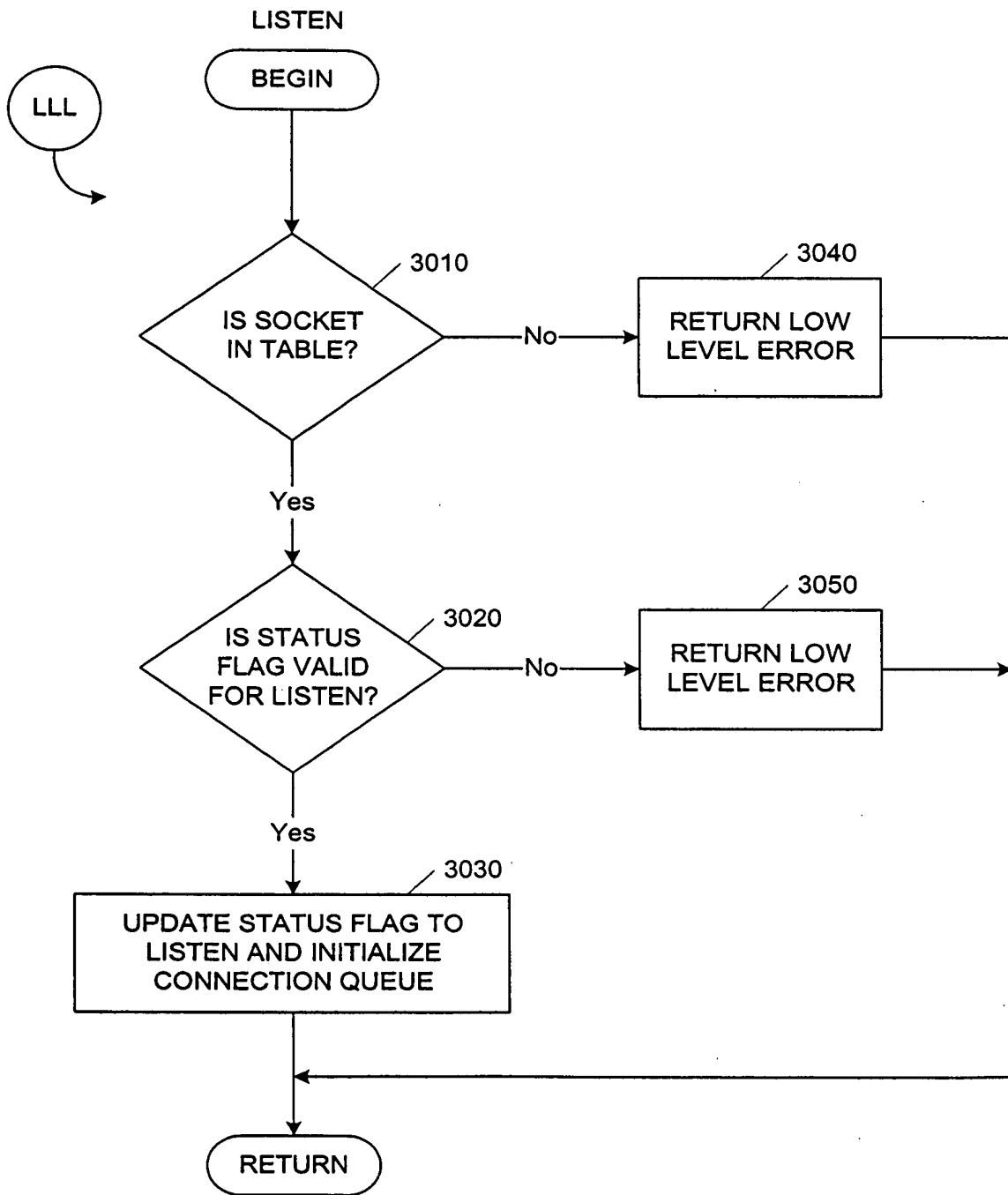
**FIG. 27**



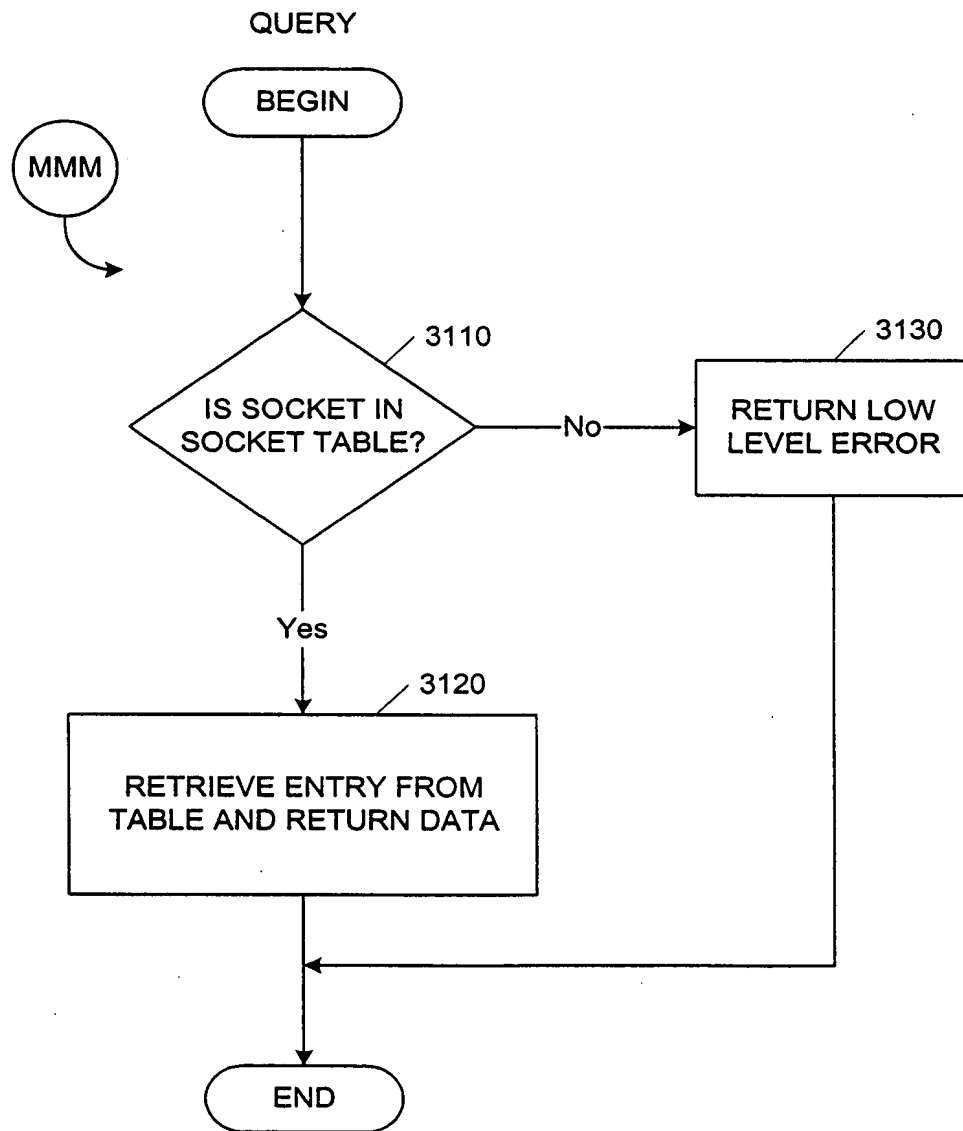
**FIG. 28**



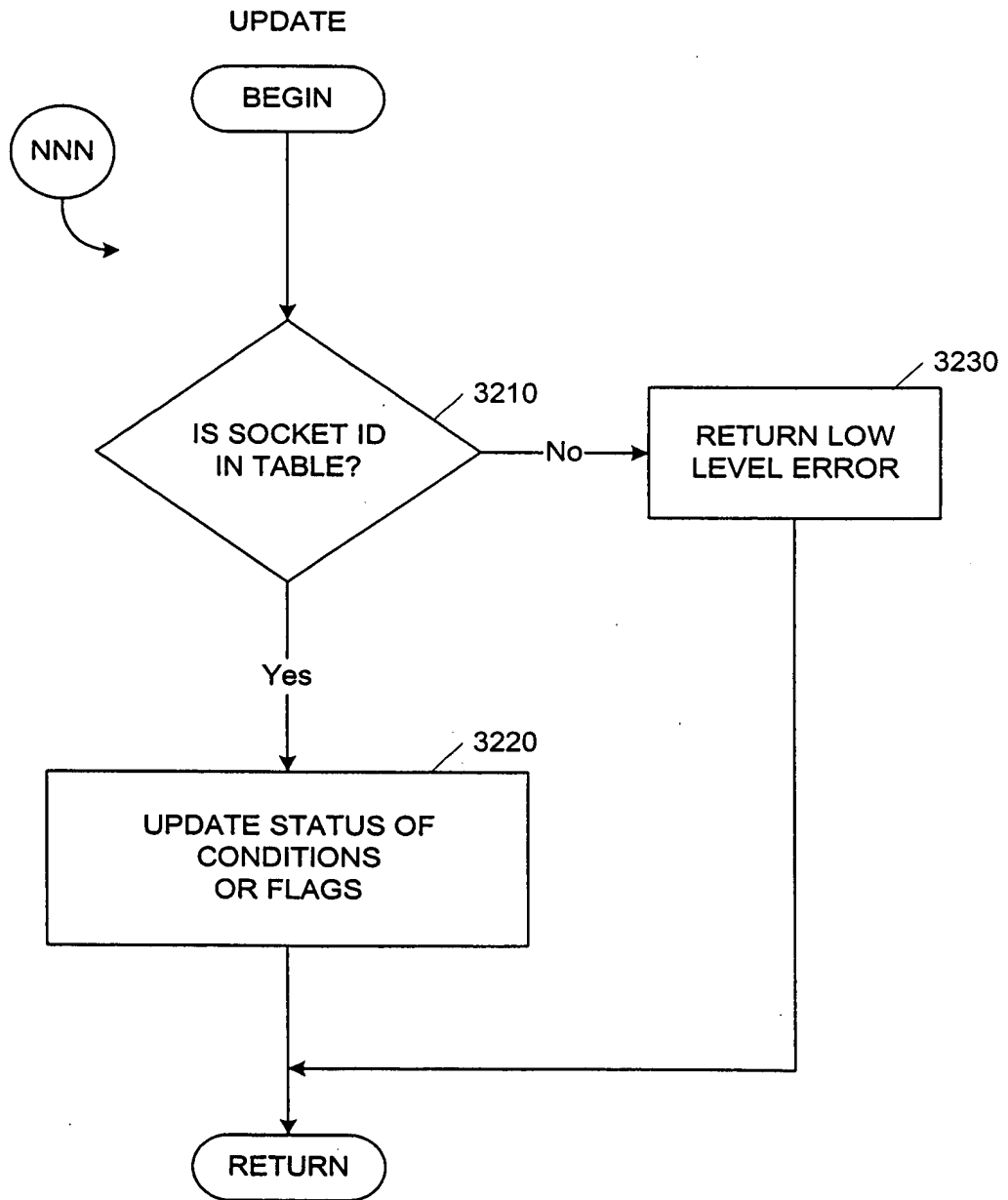
**FIG. 29**



**FIG. 30**

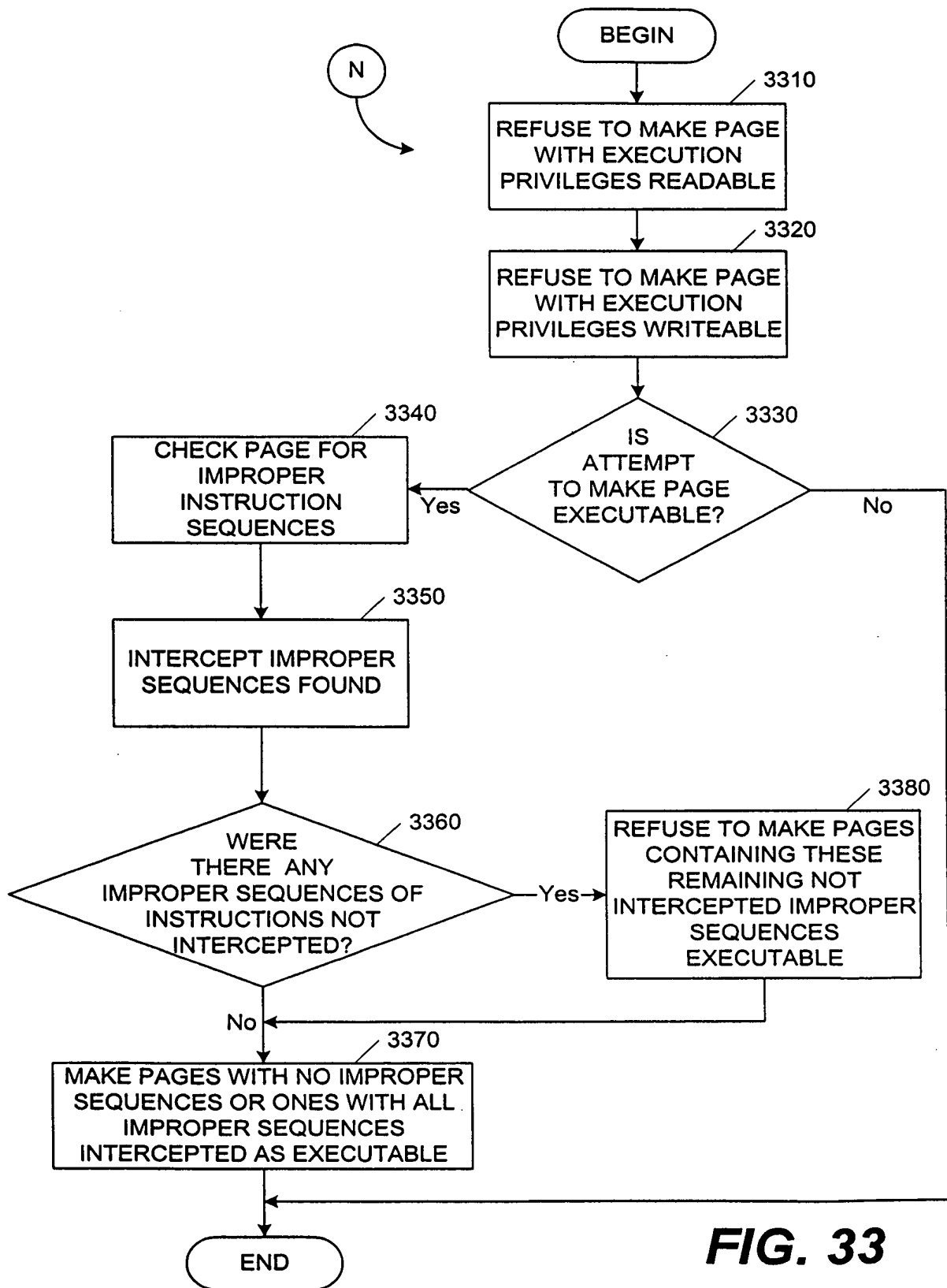


**FIG. 31**

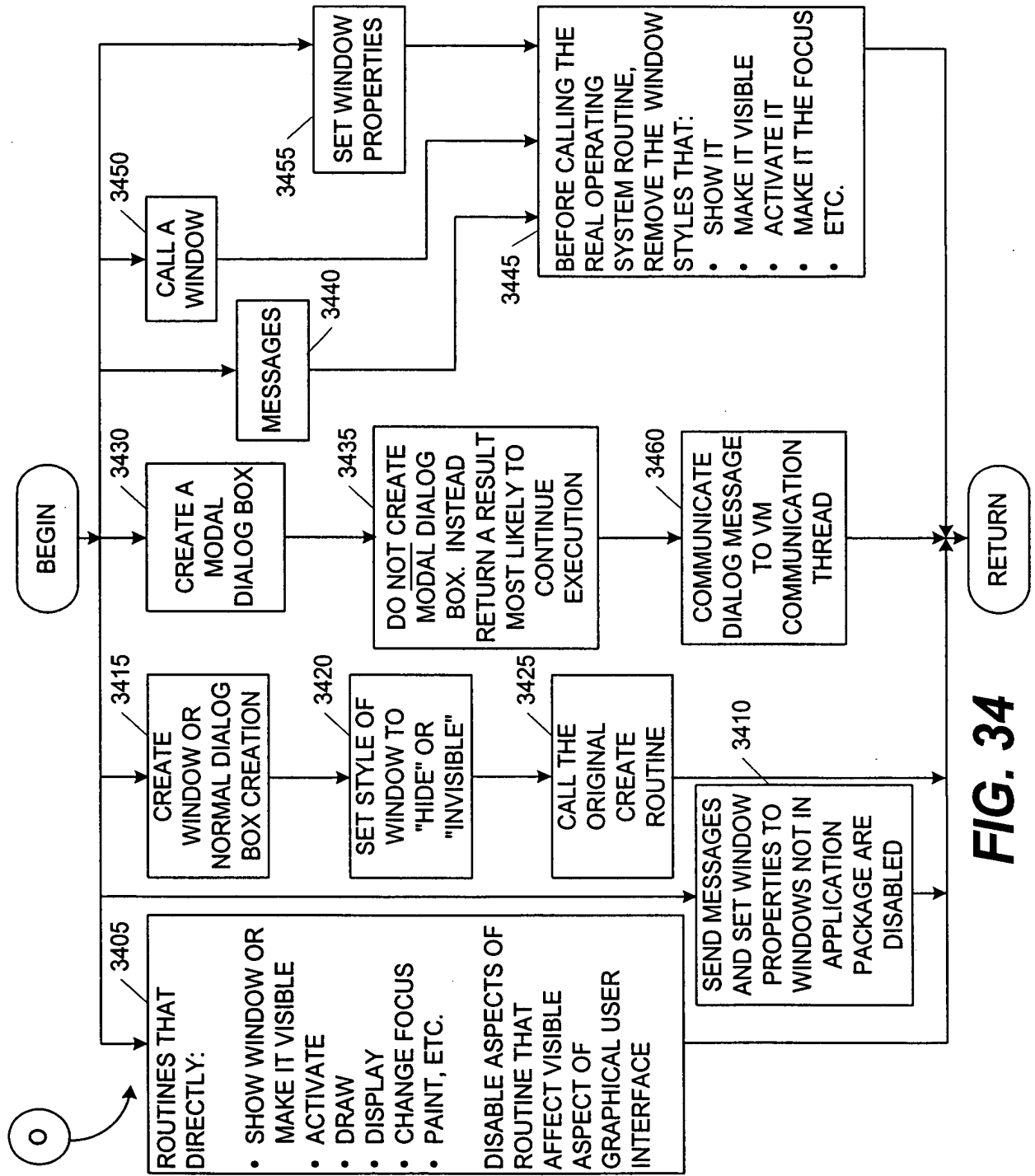


**FIG. 32**





**FIG. 33**



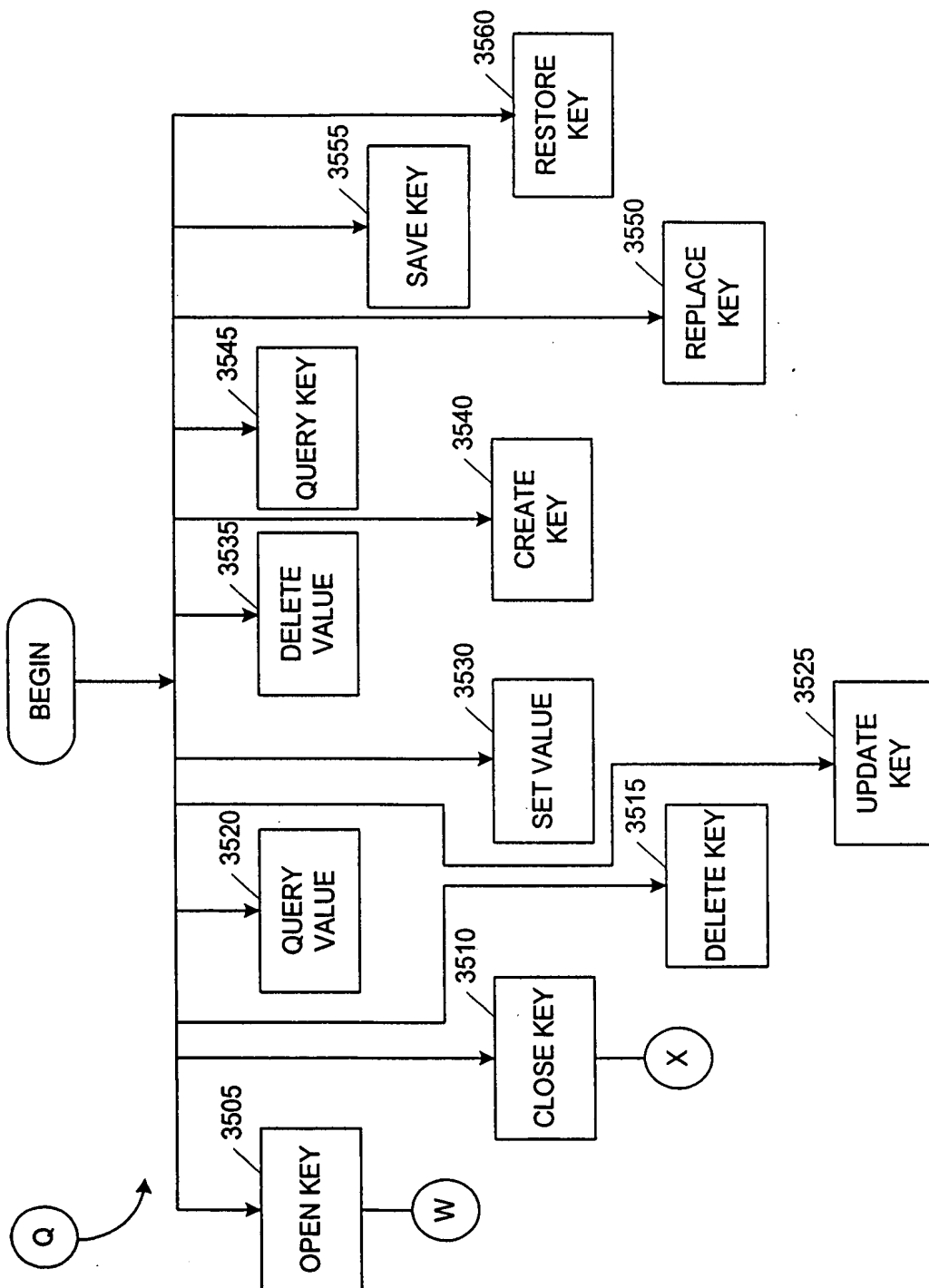
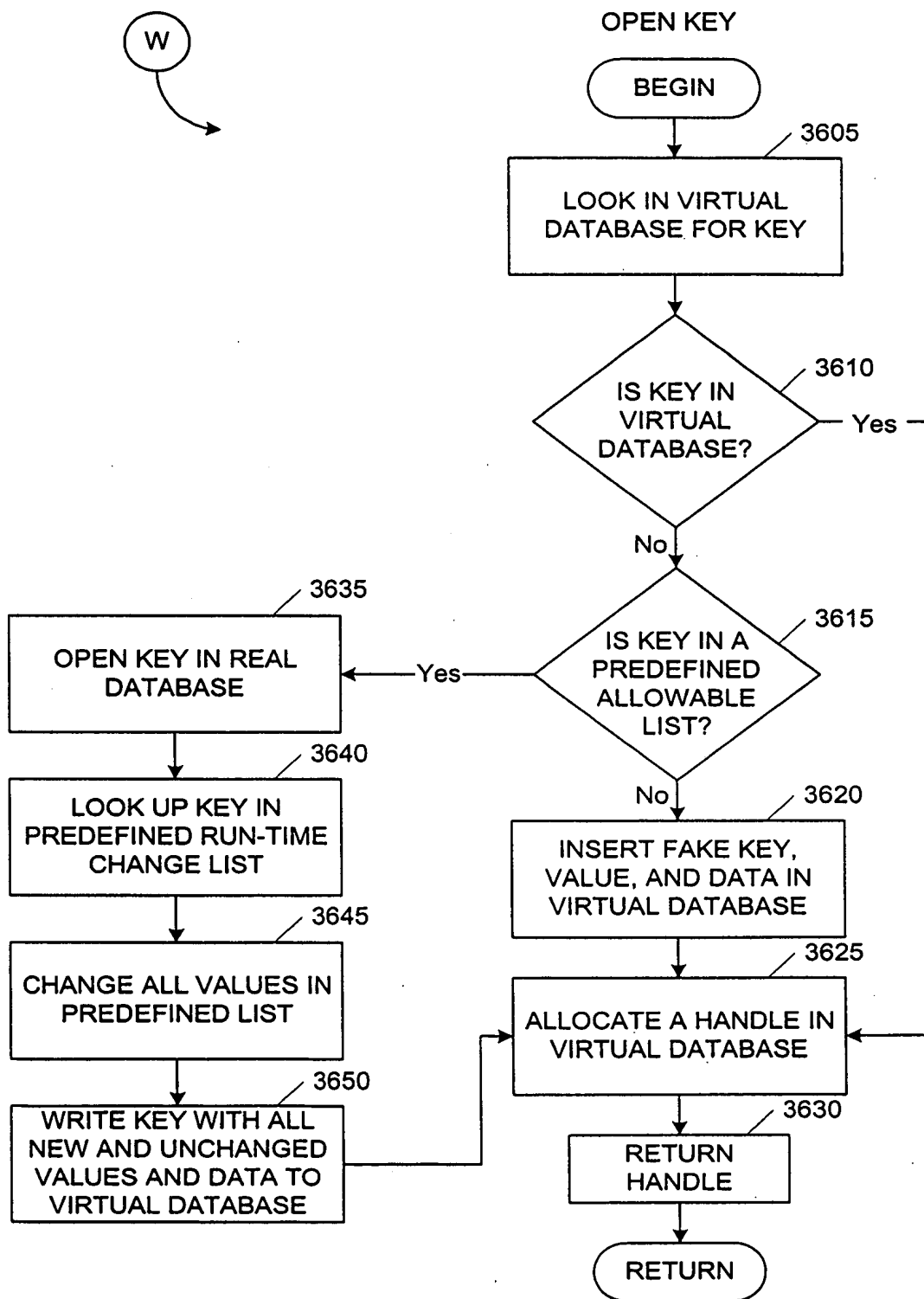
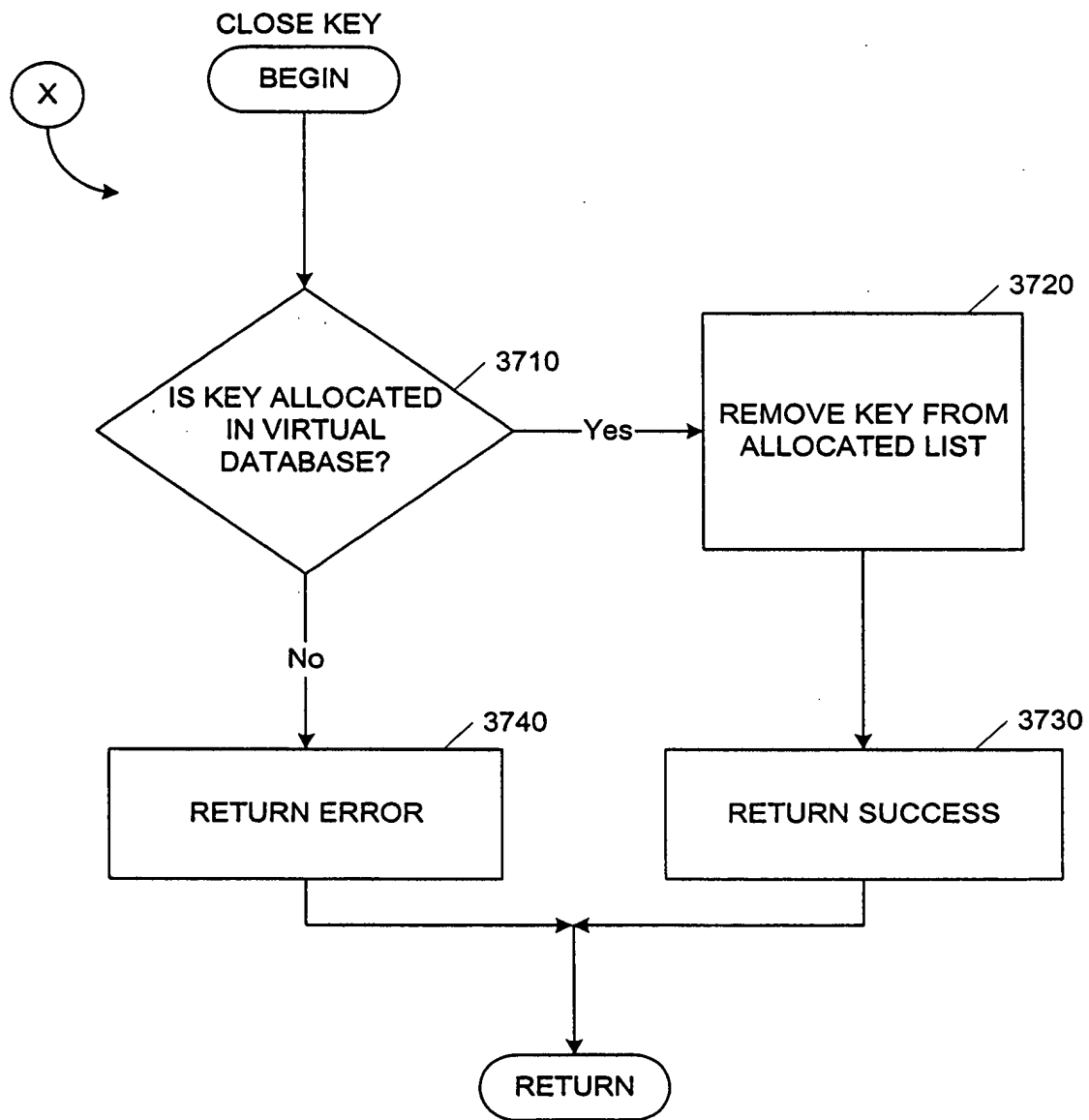


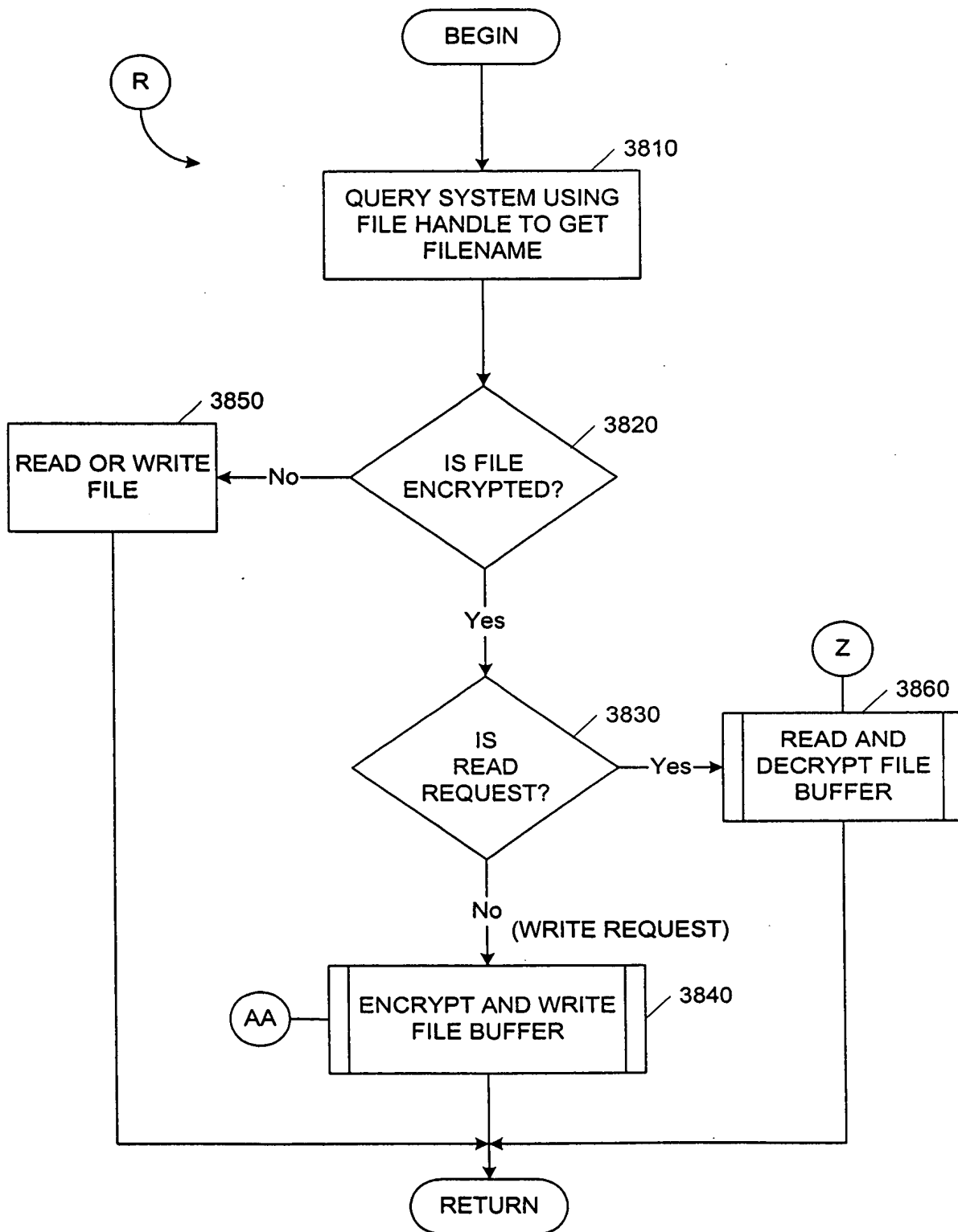
FIG. 35



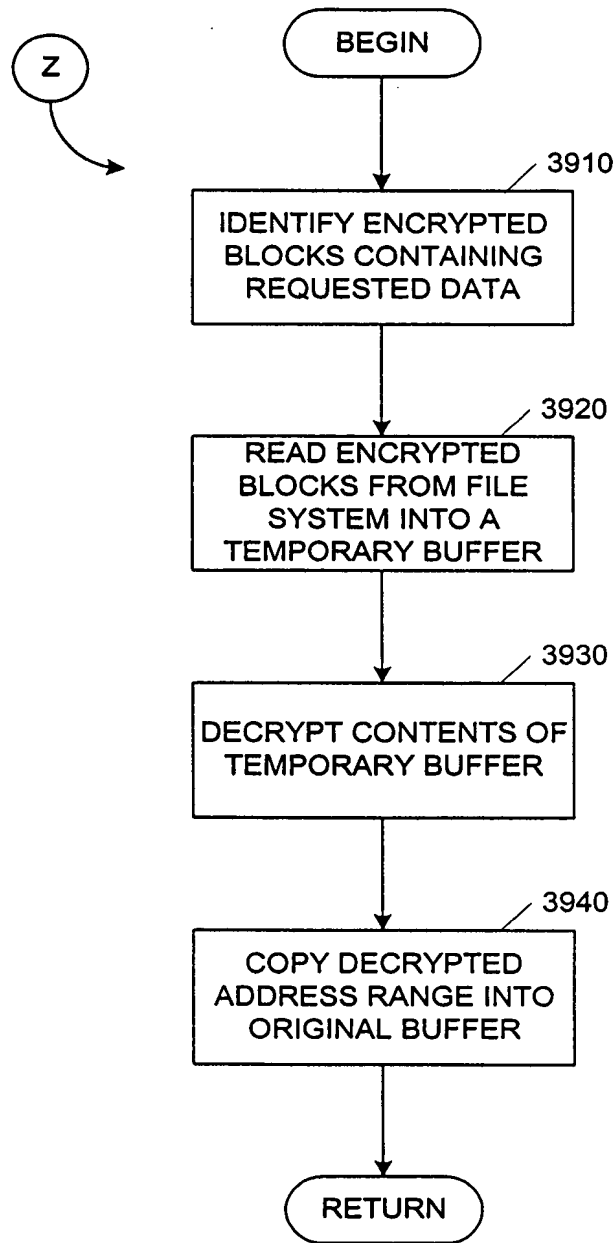
**FIG. 36**



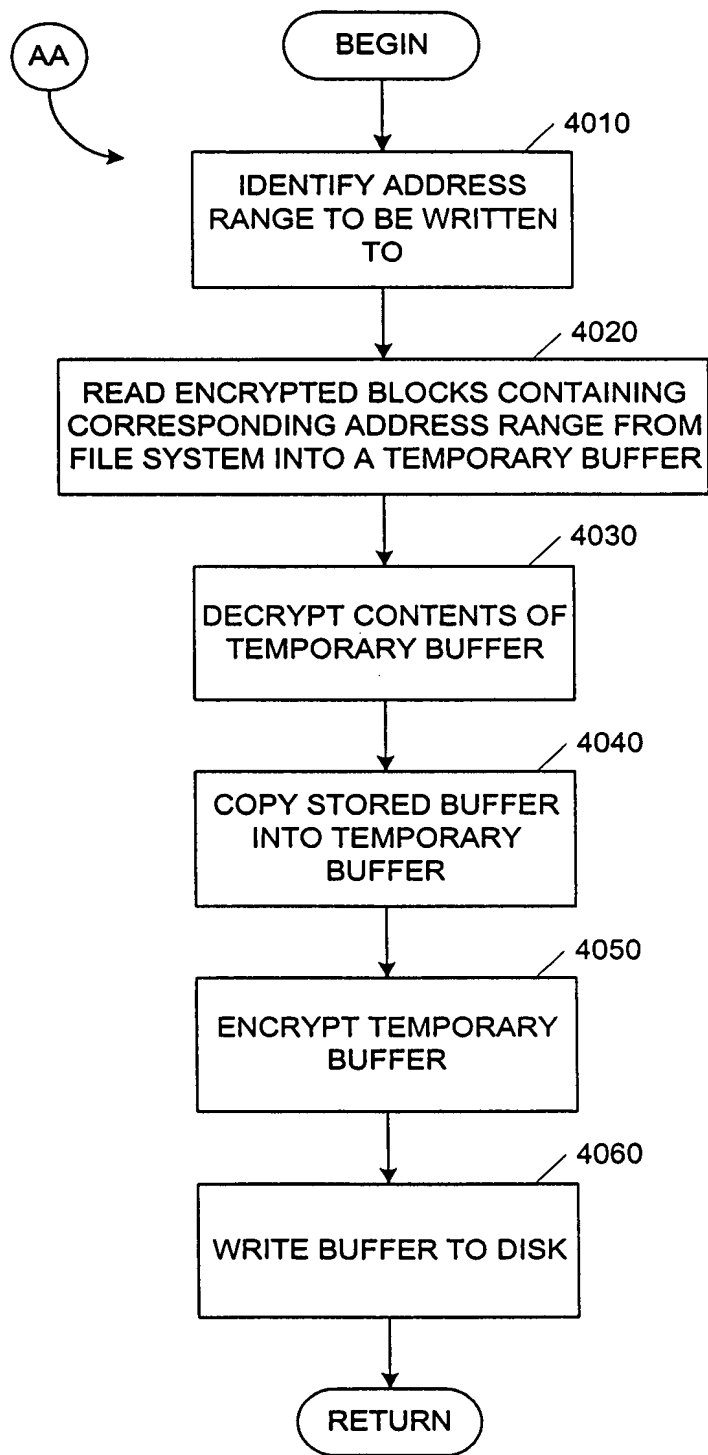
**FIG. 37**



**FIG. 38**

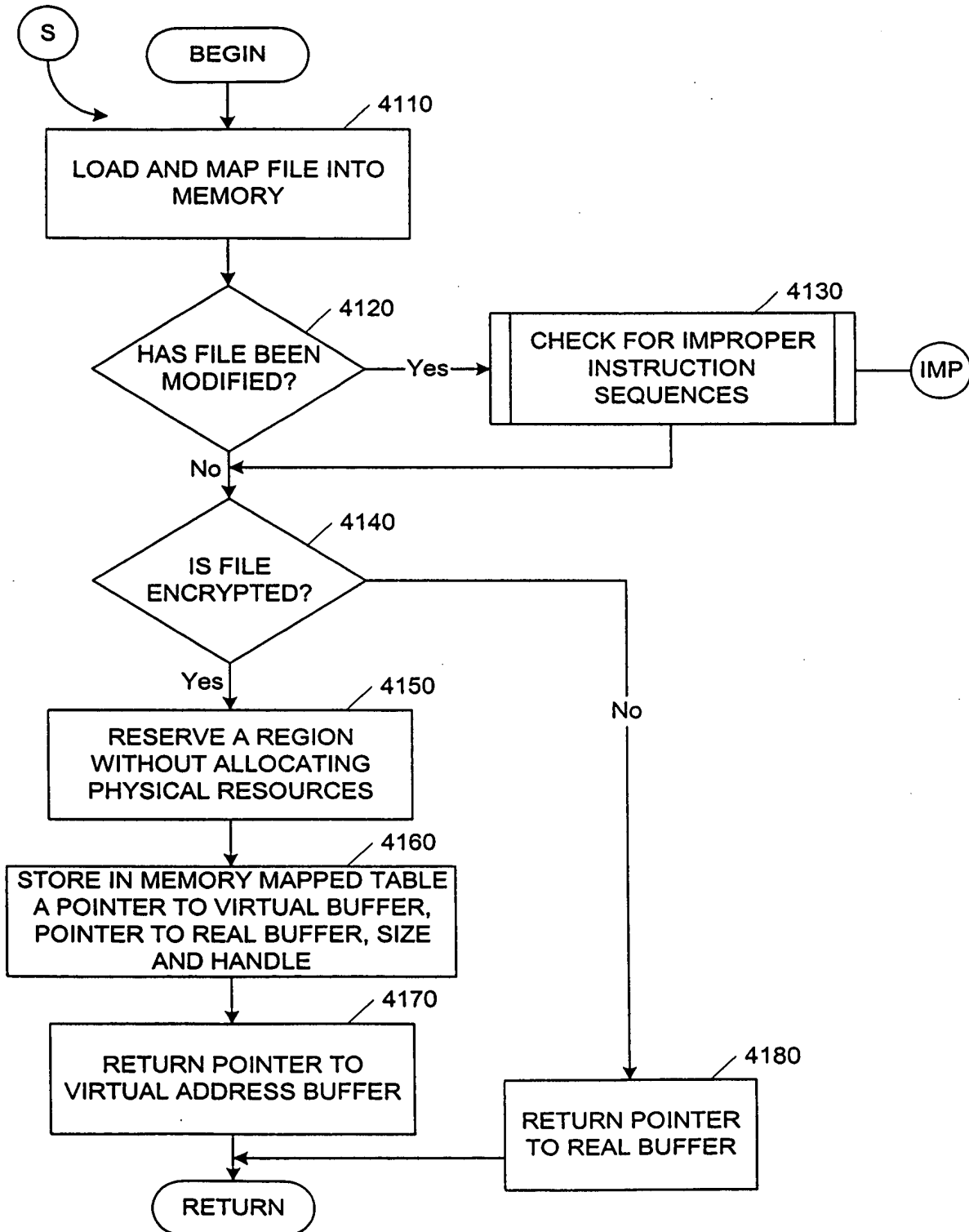


**FIG. 39**

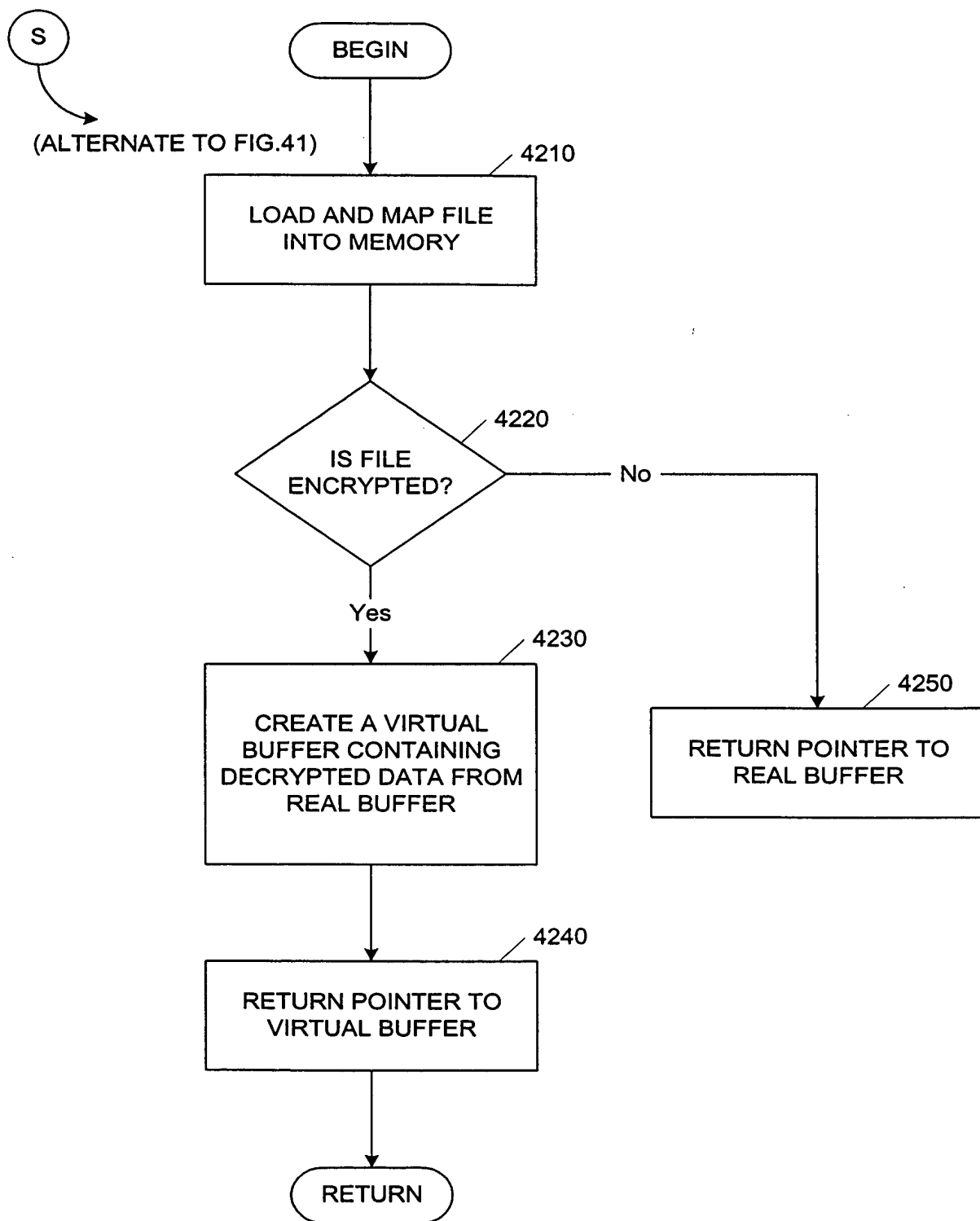


**FIG. 40**

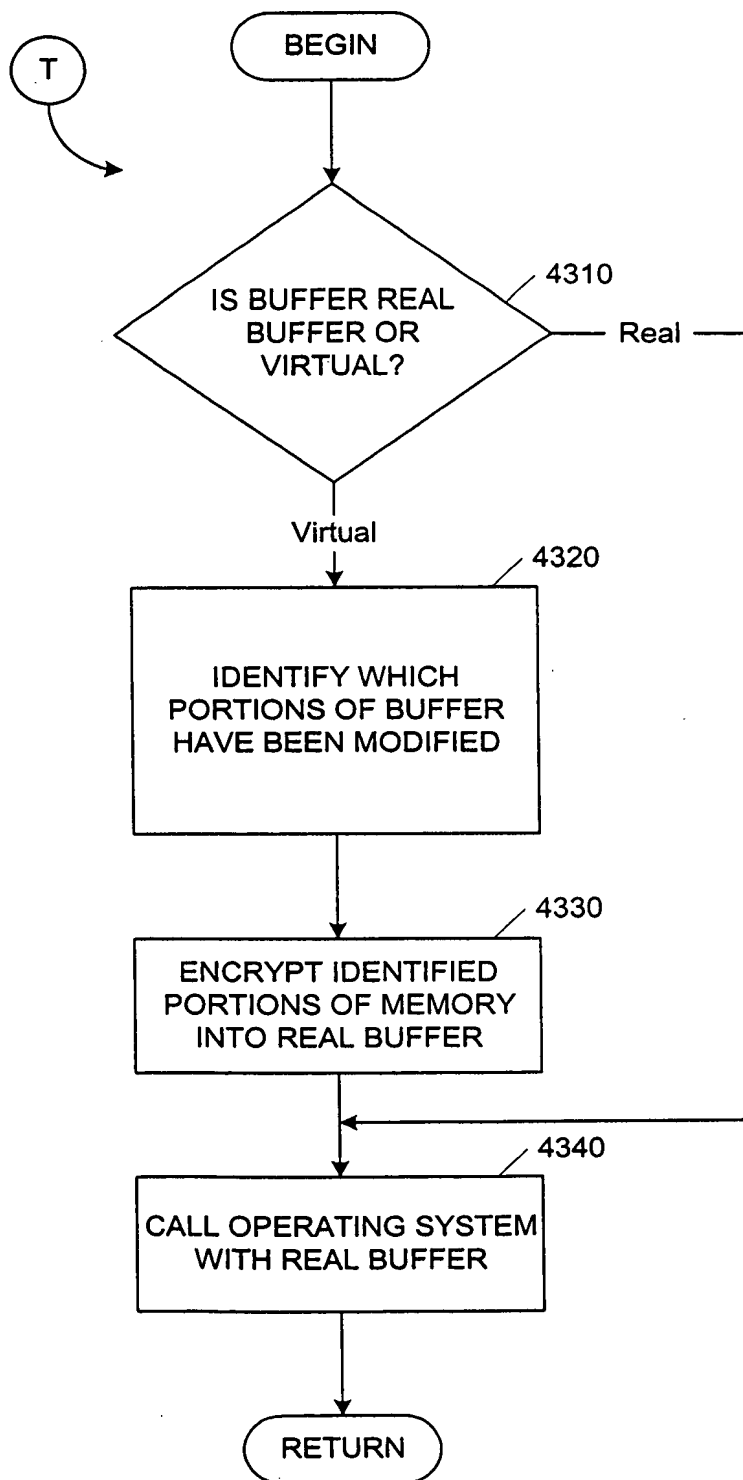




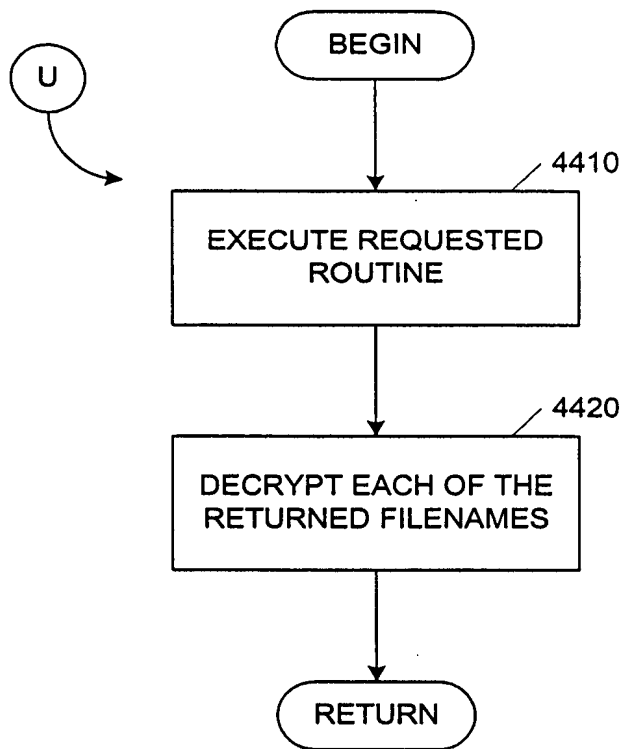
**FIG. 41**



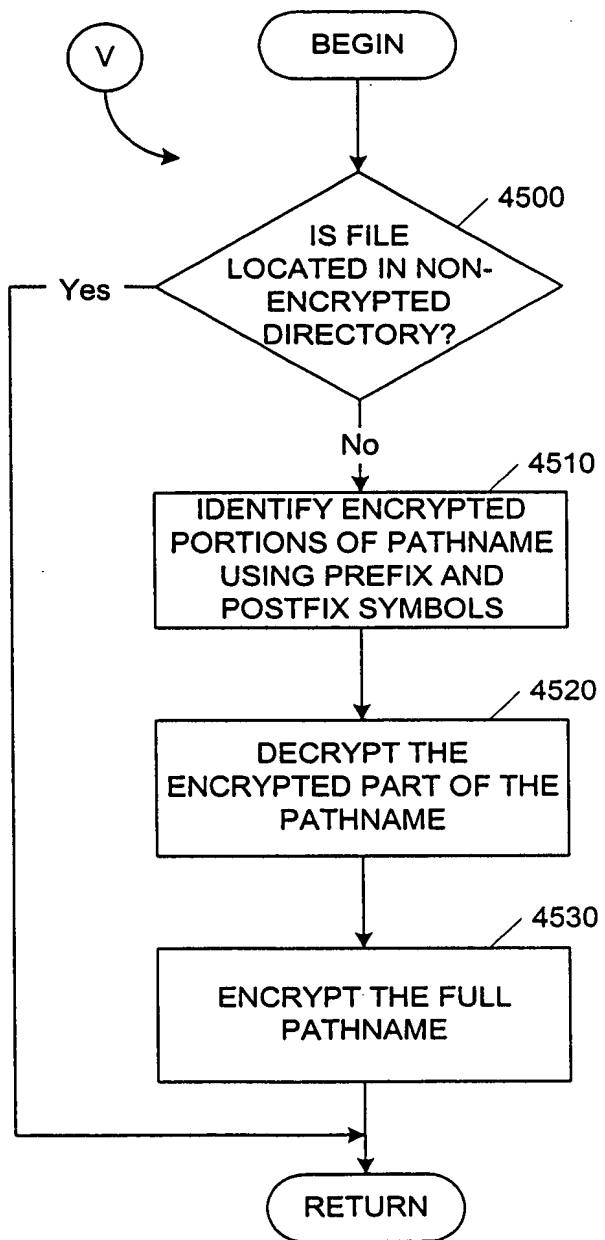
**FIG. 42**



**FIG. 43**

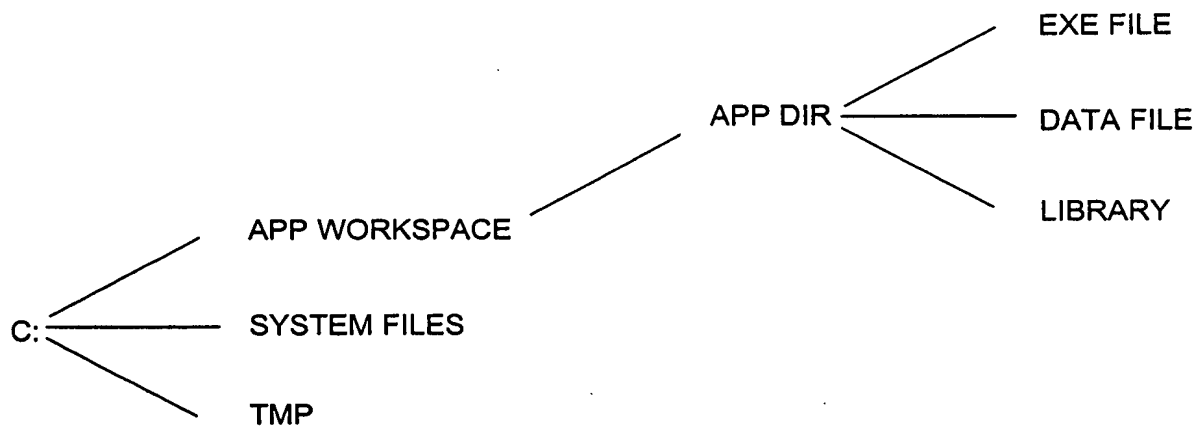


**FIG. 44**

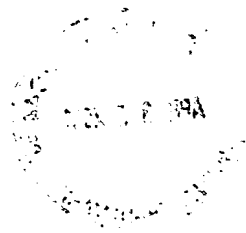


**FIG. 45**

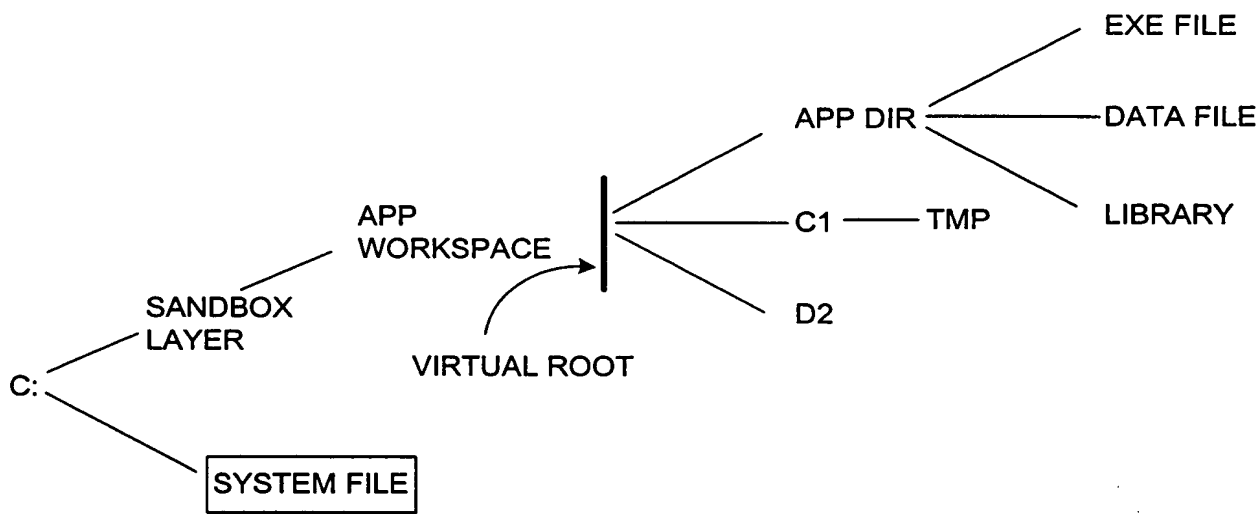
TRADITIONAL  
SYSTEM LAYOUT



**FIG. 46**



VIRTUALIZED  
SYSTEM LAYOUT



**FIG. 47**

4800

SOCKET TABLE

4804

4812

4816

4820

4824

4828

4832

"ENTRY" LOCAL SOCKET STRUCTURE	REMOTE SOCKET STRUCTURE	SOCKET STATUS	SOCKET OPTIONS	SEND QUEUE	RECEIVE QUEUE	CONNECTION QUEUE

SOCKET STRUCTURE

UNIQUE SOCKET ID

SOCKET TYPE

PROTOCOLS

OPTIONS

NETWORK

ADDRESSES

EVENT

FAMILY

BLOCKING

SOCKET STATUS

UNCONNECTED

RECEIVING

SENDING

LISTENING

CONNECTED

DISCONNECTED

TERMINATED

SHUTDOWN

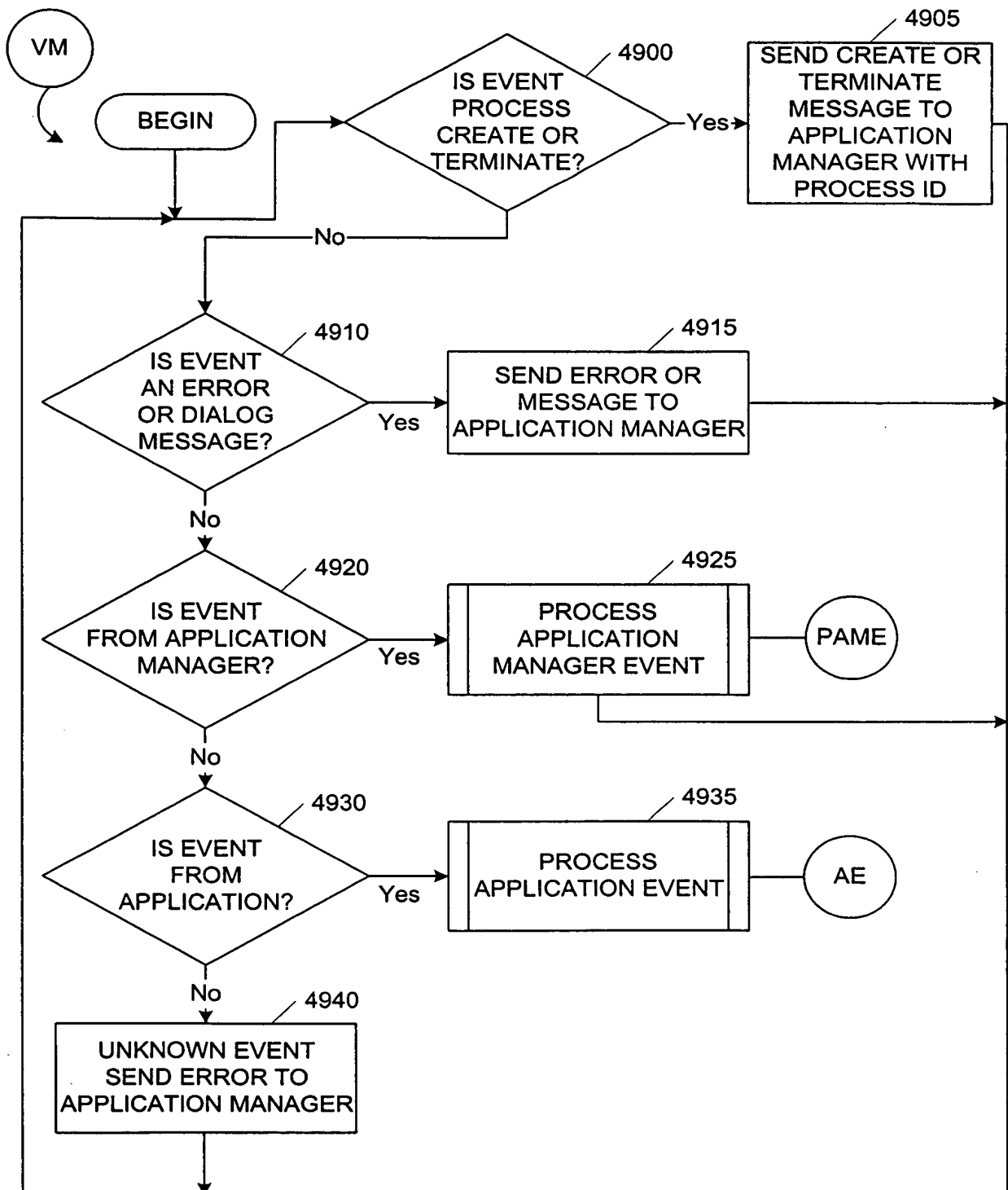
BOUND

CONNECTING

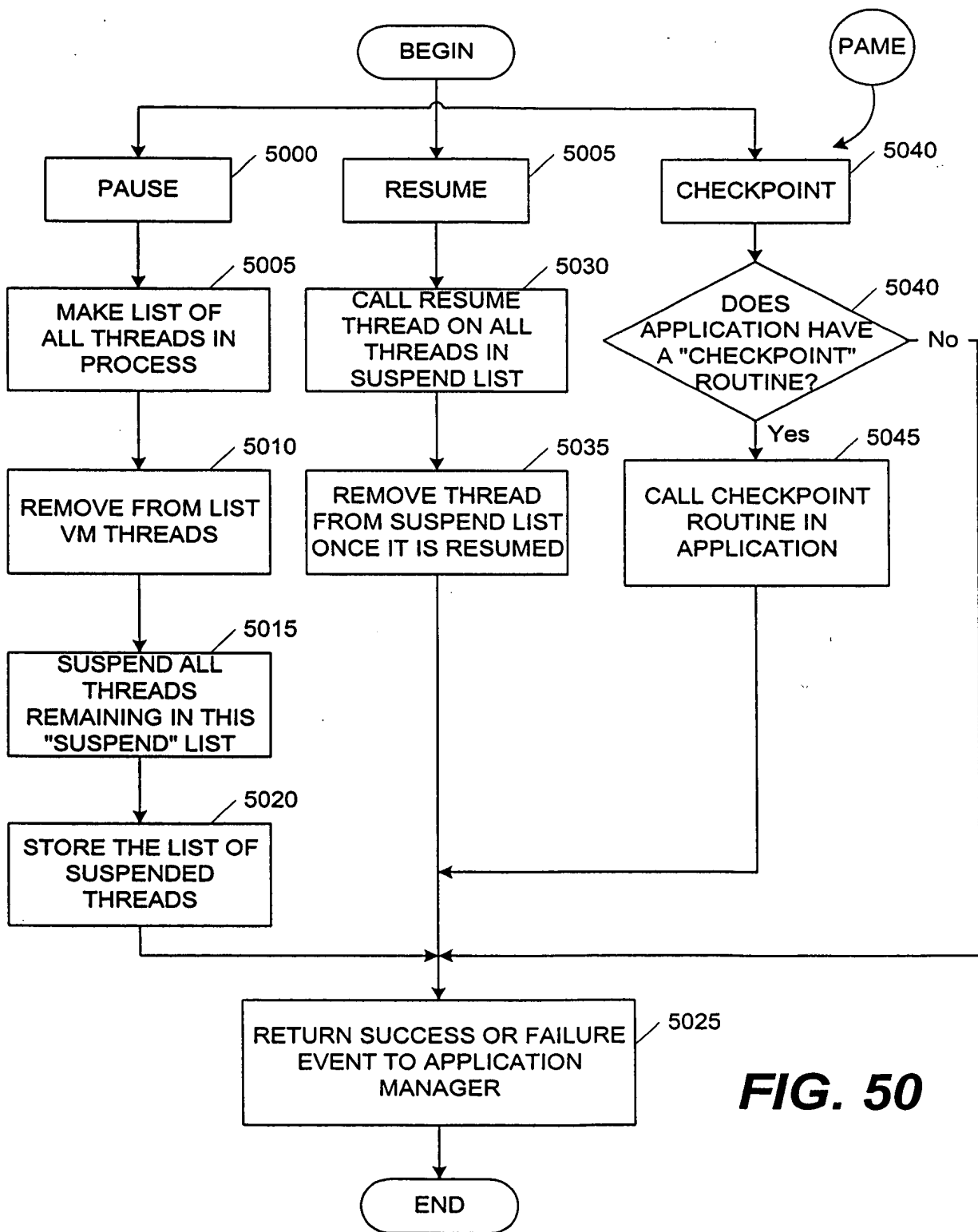
FIG. 48

FIG. 48

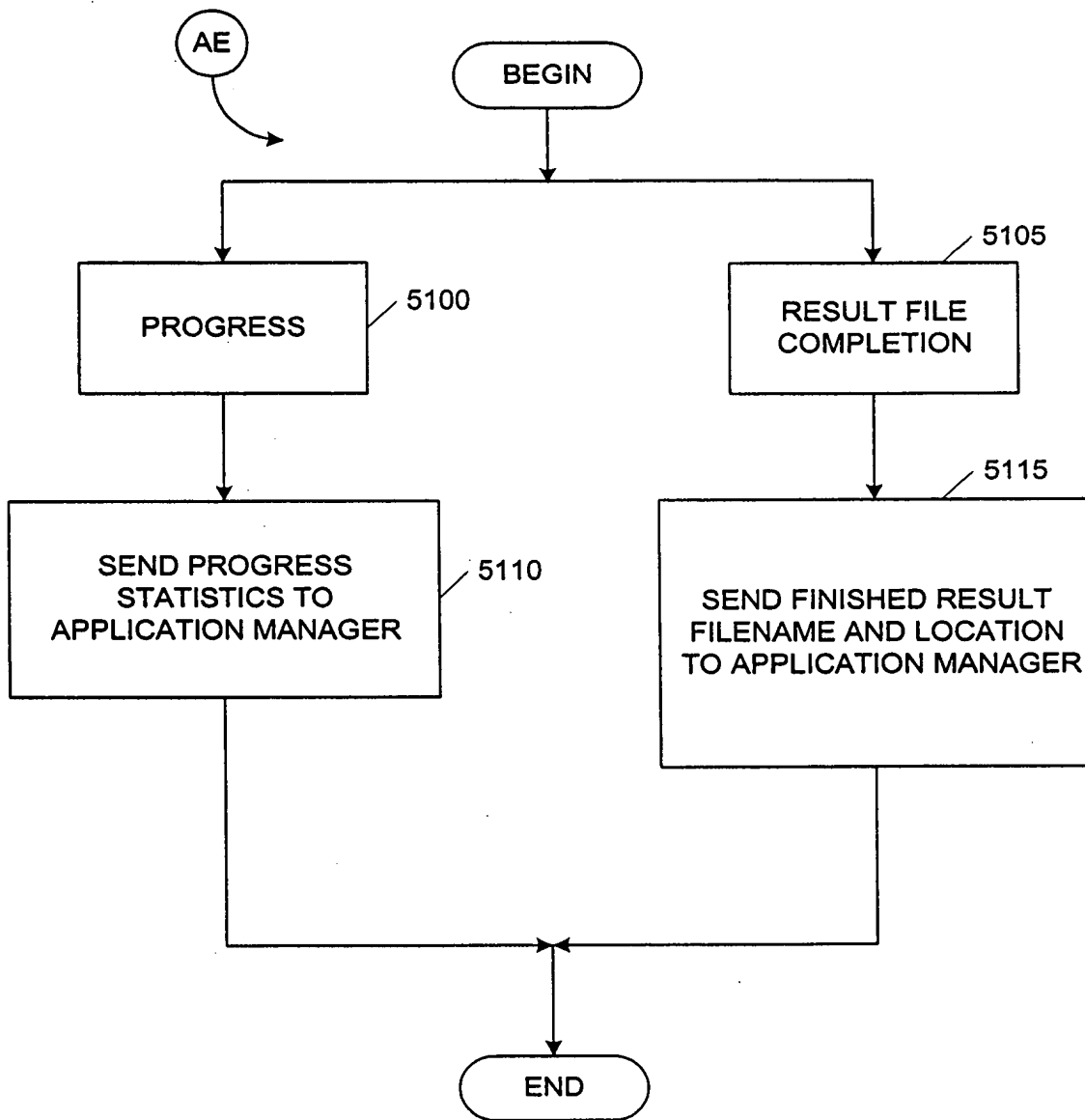




**FIG. 49**



**FIG. 50**



**FIG. 51**